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JOINT ASSOCIATION SURVEY ON

1992 DRILLING COSTS

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American
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Institute

1992 JOINT ASSOCIATION SURVEY ON DRILLING COSTS

Finance, Accounting
and Statistics Department

November 1993

American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005

PREFACE

The 1992 Joint Association Survey on Drilling Costs (JAS), conducted by the American Petroleum Institute (API), contains the results of our 40th survey on U.S. drilling expenditures. Included in the report is information on the number of wells completed, footage drilled and related expenditures by state. Data for oil wells, gas wells and dry holes are reported separately, and the information is further disaggregated by depth interval. Additional tables summarize the offshore and onshore areas.

The JAS, which is sponsored by API, the Independent Petroleum Association of America (IPAA) and the Mid-Continent Oil and Gas Association (MOGA), was first conducted in 1954, and has been issued annually since 1959. It is the only long-term source of detailed information on U.S. drilling expenditures available.

One of API's goals is to provide the petroleum industry and the public with a broad range of industry-related information. API is dedicated to continuously improving the accuracy, timeliness, usefulness and availability of that information.

Ths JAS can be ordered by calling API's Industry Services Department at (202)682-8378. The summary tables for the sample data can also be purchased and are available on magnetic tape. These data are aggregated to the extent necessary to avoid disclosure of individual well costs.

Washington, D.C.
November 1993

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1992 Joint Association Survey on Drilling Costs

EXECUTIVE SUMMARY

The total cost of oil and natural gas drilling operations in the U.S. fell sharply in 1992 from the previous year to its lowest in 15 years.

According to the **1992 Joint Association Survey on Drilling Costs (JAS)**, the industry spent, on average, 25.3 percent less in 1992 to drill and equip wells than it did in 1991. Total drilling expenditures were estimated to be $8.6 billion in 1992, compared to $11.5 billion during the previous year.

The decline in drilling and equipping costs parallels the sharp dropoff in the number of wells drilled -- the nation's lowest level in almost 50 years.

Despite this decline in the overall level of drilling activity, the average depth drilled per well increased, a result, mainly, of deeper drilling in the more traditional development oil and gas plays of East and Central Texas and in some Rocky Mountain states.

Because of offshore moratoria along most of the U.S. coastline, the Gulf of Mexico remains practically the only active area offshore, except for limited activity around Alaska.

The price of drilling goods and services appears to have decreased between 1991 and 1992. A comparison of the impact of price change alone on the JAS expenditures from 1991 to 1992 is discussed in the following section: "Isolating Drilling Cost Changes."

Horizontal drilling leveled off in 1992. Information on the estimated cost of 1992 horizontal well completions is included in the section entitled "Horizontal Drilling." Coal-bed methane activity dropped dramatically when compared to 1991. Additional information on those wells is provided in the section: "Coal-Bed Methane Wells."

Executive Summary Table 1 provides a summary of 1992 drilling costs compared to 1991. Estimated average drilling costs for each state by well type and depth range are contained in the summary and state tables that begin on page 8. Data for the onshore and offshore areas are summarized, as well as data for exploratory and development wells.

Executive Summary Table 1

Total Wells, Footage Drilled & Estimated Drilling Expenditures: 1992 vs. 1991

	Oil Wells		Gas Wells		Dry Holes		Total	
	1992	%Δ	1992	%Δ	1992	%Δ	1992	%Δ
Total Wells	8,621	(25.0)	7,583	(10.2)	6,184	(15.9)	22,388	(17.7)
Ftg (000)	44,929	(17.1)	44,366	(2.4)	32,609	(16.5)	121,904	(12.1)
Total $ (mil.)	$3,123	(21.7)	$3,231	(23.7)	$2,212	(31.8)	$8,566	(25.3)
Avg. Depth (Ft.)	5,212	10.5	5,851	7.5	5,273	(0.7)	5,445	6.8
Avg. $/well	$362,260	4.4	$426,114	(15.9)	$357,624	(18.9)	$382,607	(9.2)
Avg. $/Ft.	$69.50	(5.5)	$72.83	(21.8)	$67.82	(18.3)	$70.27	(15.0)

Note: Totals may not agree with the sum of individual items due to rounding.

Isolating Drilling Cost Changes

Changes in "drilling costs" typically reflect changes in prices for drilling **comparable** wells from year to year, much as changes in the Consumer Price Index (CPI) reflect changes in prices for a similar "basket of goods" from year to year. However, total JAS drilling costs are also affected by the depth, type and location of wells drilled. Therefore, average "cost" per well and "cost" per foot will be susceptible to changes in the characteristics of wells drilled.

This means that in order to compare the impact of price change alone on the JAS drilling expenditures from one year to another, one must account for differences in depth, type and general location of wells drilled.

By numerically holding these factors constant to 1984, changes in drilling costs alone were calculated for 1991 and 1992. More specifically, the percentage of total wells and footage drilled represented by the smallest possible division in the data in 1984 was calculated and used to weight 1991 and 1992 expenditures per well and per foot. These weighted costs were then summed to arrive at an adjusted average cost per well and per foot for oil, gas and dry holes; onshore, offshore and total U.S.

The year 1984 was selected as the base year for indexing since the well population around that time was relatively stable and the data available for those wells relatively complete.

Redistributing the 1991 and 1992 JAS drilling costs to reflect the depth, type and general location of wells drilled in 1984 reveals an actual decrease in drilling costs. The figures to the right and Executive Summary Table 2, on the following page, show the 1992 drilling cost indices and changes in drilling costs on the new basis versus 1991.

One can also compare similar type wells at similar depths in similar locations to look at the impact of price change alone on the JAS drilling costs from year to year.

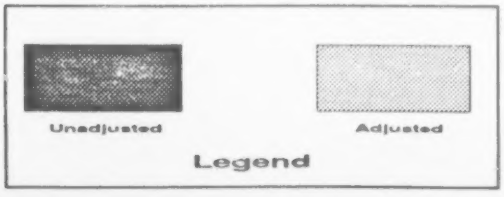


Figure 1: United States (1984 = 100)

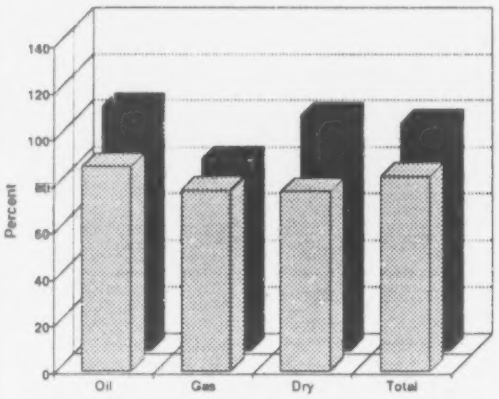


Figure 2: Onshore (1984=100)

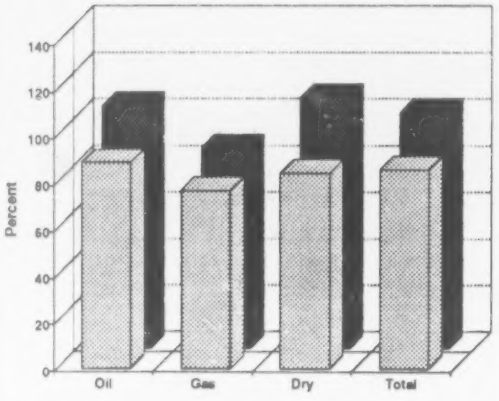
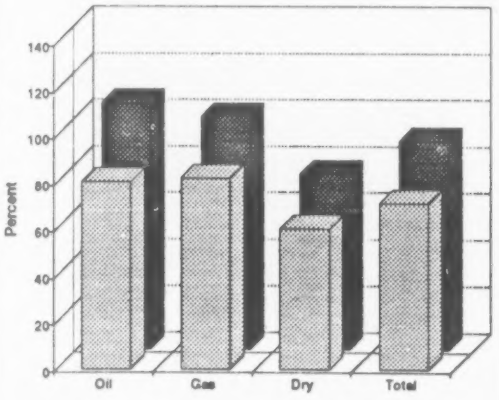


Figure 3: Offshore (1984=100)



Executive Summary Table 2

1992 Adjusted Average Drilling Cost Indices (1984 = 100)

	United States				Onshore Wells				Offshore Wells			
	1992 Avg Per Well	% Chg	1992 $ Per Foot	% Chg	1992 Avg Per Well	% Chg	1992 $ Per Foot	% Chg	1992 Avg Per Well	% Chg	1992 $ Per Foot	% Chg
Oil :												
"Cost"	88.5	-5.8	87.6	-6.0	89.7	-5.1	88.7	-5.3	80.5	-10.4	80.7	-9.9
"Expenditure"	138.2	4.4	104.8	-5.5	138.2	2.8	104.4	-7.2	105.2	6.4	105.9	9.7
% Change	-36.0		-16.4		-35.1		-15.0		-23.5		-23.8	
Gas :												
"Cost"	78.1	-14.3	77.5	-14.4	77.3	-16.1	76.5	-16.4	81.6	-6.0	82.2	-5.1
"Expenditure"	87.0	-15.9	82.0	-21.7	92.1	-12.8	86.0	-19.7	101.9	7.8	99.9	6.0
% Change	-10.2		-5.5		-16.1		-11.0		-19.9		-17.7	
Dry :												
"Cost"	77.1	-9.1	76.9	-9.1	84.7	-6.7	84.2	-7.0	59.9	-16.1	60.6	-14.7
"Expenditure"	108.6	-19.0	101.0	-18.3	115.7	1.1	107.9	0.2	77.1	-20.9	75.4	-22.3
% Change	-29.0		-23.9		-26.8		-22.0		-22.3		-19.6	
Total :												
"Cost"	88.5	-8.7	83.4	-9.4	90.9	-8.9	85.7	-9.8	71.1	-13.3	71.5	-11.1
"Expenditure"	117.2	-9.2	97.7	-14.9	122.3	-3.2	101.4	-10.3	91.1	-9.3	89.7	-8.5
% Change	-24.5		-14.6		-25.7		-15.5		-22.0		-20.3	

"Expenditures" were based on JAS estimated drilling expenditures which are a function of depth, type, general location of wells drilled in the final year.

"Cost" numbers are redistributed well expenditures based on 1984 drilling activity. Percentage changes were based on a comparison of 1992 data to 1991.

Source : American Petroleum Institute, Joint Association Survey on Drilling Costs, 1984-1992.

Horizontal Drilling

In 1992, the horizontal drilling boom quieted in the U.S. as horizontal well expenditures decreased 19.7 percent compared to 1991. The number of horizontal wells drilled fell 12.6 percent from 1991 while total footage drilled decreased just over 8 percent. Executive Summary Table 3 contains information on 1992 horizontal well completions and estimated drilling costs.

Geographically, the Austin Chalk fields of Southern Texas accounted for almost 80 percent of all U.S. horizontal wells drilled during 1992. Horizontal drilling was up throughout the Gulf Coast region, South East Wyoming, and the Permian Basin of West Texas and East New Mexico.

Executive Summary Table 3: 1992 Estimated Horizontal Well Costs

State/Area	Horizontal Wells	Total Footage	Total Cost
Alabama	1	6,320	290,397
Arkansas	2	13,998	1,273,818
California - East Central	6	47,289	8,493,679
Colorado	6	55,194	4,309,659
Florida	1	15,234	700,000
Indiana	2	4,159	270,737
Kansas	1	2,700	30,869
Kentucky	1	3,672	1,057,020
Louisiana - North	6	27,885	1,589,145
Louisiana - South	7	81,804	14,938,181
Louisiana - Offshore	2	10,055	3,903,323
Mississippi	2	11,261	492,615
Montana	5	43,035	5,060,473
Nevada	1	5,000	199,250
New Mexico - East	1	5,196	310,000
New Mexico - West	9	59,077	7,048,812
North Dakota	34	448,352	40,404,001
Oklahoma	17	124,830	13,332,652
Texas RRC Dist. 1	244	2,097,202	149,079,951
Texas RRC Dist. 2	6	67,216	6,681,686
Texas RRC Dist. 3	530	6,445,156	573,547,148
Texas RRC Dist. 4	4	28,698	1,514,400
Texas RRC Dist. 5	9	92,001	7,112,774
Texas RRC Dist. 6	14	146,371	15,297,034
Texas RRC Dist. 7B	3	11,721	806,757
Texas RRC Dist. 7C	2	19,703	2,016,063
Texas RRC Dist. 8	29	103,748	8,387,546
Texas RRC Dist. 8A	1	5,017	147,106
Texas RRC Dist. 9	2	13,373	908,267
Texas RRC Dist. 10	3	20,731	2,326,963
Utah	7	46,796	9,792,198
Wyoming	27	255,904	22,242,110
Total	**985**	**10,318,698**	**$903,564,634**

The average cost per horizontal well in 1992 was $917,325--down from the previous year's average of $998,534, while the average cost per well for wells not drilled horizontally in 1992 was $357,831. The average cost per foot for horizontal wells was $87.57, versus $68.62 per foot for wells not drilled horizontally in 1992.

The average distance drilled for horizontal wells was twice as far as wells not drilled horizontally. In 1992, horizontal wells were drilled an average distance of 10,476 feet, and the average depth for wells not drilled horizontally was 5,215 feet.

The average cost per foot for horizontal oil wells was 33.7 percent higher than the average cost per foot for oil wells not drilled horizontally. The average footage drilled for the horizontal oil wells was 11,151 feet; the average cost per foot was $87.77. The average footage drilled for oil wells not drilled horizontally was 4,686 feet; the average cost per foot was $65.64.

Approximately 34 percent of all wells completed in 1992 were gas, but only about 4 percent of the horizontal wells were gas wells. The average footage drilled for the 41 horizontal gas wells was 12,444 feet; the average cost per foot was $112.11.

Horizontal dry holes had an average footage drilled of 8,147 feet and an average cost per foot of $80.32, which was 20 percent higher than the $66.94 average cost per foot for dry holes not drilled horizontally. The average footage drilled for dry holes not drilled horizontally was 5,158 feet.

Coal-Bed Methane Gas Wells

In 1992, coal-bed methane drilling activity declined 55.4 percent from the previous year to 740 wells at an estimated total cost of $175.3 million. Of those, 602 were gas wells with total costs of $152.5 million. The remaining were dry holes. Included in Executive Summary Table 4 are data on 1992 coal-bed methane gas well completions and estimated drilling costs.

Executive Summary Table 4
1992 Estimated Coal-Bed Methane (CBM) Gas Well Costs

State/Area	CBM Gas Wells	Total Footage	Estimated Cost
Alabama	207	706,407	65,624,003
Colorado	97	278,705	28,785,366
Illinois	2	749	18,355
Indiana	1	340	14,491
Kansas	3	3,545	86,983
Montana	1	884	49,779
New Mexico - West	176	498,261	41,726,080
Oklahoma	11	12,910	410,556
Pennsylvania	3	3,168	93,451
Utah	3	6,000	387,975
Virginia	65	135,379	13,538,002
Wyoming	33	17,346	1,809,517
Total	**602**	**1,663,694**	**$152,544,558**

Note: These data are for coal-bed methane **gas** wells only; dry hole data are not included.

Alabama, which annually accounts for better than half of the nation's coal-bed methane wells, saw its number of coal-bed wells slump 78 percent in 1992 from the previous year. Still, 34.4 percent of all 1992 U.S. coal-bed methane drilling occurred there.

Although the number of coal-bed methane wells drilled in West New Mexico decreased 55.1 percent from 1991, they accounted for 58 percent of all gas wells drilled there. In Virginia, 42.2 percent of all gas wells drilled in that state in 1992 were coal-bed methane.

The Black Warrior Basin in Alabama, the San Juan Basin in West New Mexico, and Colorado's Denver Basin accounted for 79.7 percent of all U.S. coal-bed methane gas wells drilled last year.

Approximately 98 percent of all coal-bed methane gas wells were drilled between 200 and 5,000 feet. The average cost per foot for these wells was $89.68, compared to the $49.95 average cost per foot for all other gas wells drilled at that same depth range.

DESCRIPTION OF THE SURVEY

The 1992 Sample

Each year, JAS questionnaires are mailed to operators who have completed wells in the United States during the survey year. An "operator" is defined as the company with primary responsibility for drilling operations at the time of the completion of the well.

The 1992 universe was comprised of 22,388 well completions. Information on these wells was obtained primarily from the Petroleum Information Corporation, which tracks well completion data reported to the government. Questionnaires were mailed to 3,891 operators. Of those, 1,339 responded. The responding companies drilled 51.5 percent of total wells and accounted for 63.7 percent of total 1992 expenditures. The operators were asked to verify information included on the questionnaires regarding each well completion and to provide the total cost for each of the wells drilled. Response to the JAS is voluntary.

Information on the number of wells completed is also published in API's Quarterly Completion Report (QCR). There is often a lag between the time that a well is completed and the time that the completion is reported. Since the QCR is updated more frequently than the JAS, the number of wells that are included in the JAS is usually slightly fewer than the number of wells that ultimately appear in the QCR. The JAS contains wells completed during 1992 that were reported as of September 9, 1993.

A copy of the JAS questionnaire, definitions and instructions is in Appendix A. Appendix B has more detailed information on the distribution of the JAS sample for 1992 and previous years. Also included is a breakout of reported costs for exploratory and development wells, and for single and multiple completion wells.

Estimation of Total Costs

Regression analysis was used to predict the dependent variable -- petroleum industry drilling costs -- from the independent variable, well depth. Differences in the type and geographic location of wells were taken into consideration by stratifying the sample by area and by well type. Separate regression equations were then developed for these divisions.

Approximately 2.0 percent of the wells for which drilling cost information was not reported fell outside the depth range of the sample. In these cases, using regression analysis would not provide meaningful cost estimates. Instead, cost estimates were based on an analysis of costs in similar areas and of prior year's data.

Total estimated expenditures were obtained by adding the estimated costs for unreported wells to the reported costs.

For lower depth ranges, the mean and median drilling costs were similar. However, as depth range increased, often the difference between these two measures increased also, so that the mean was substantially higher than the median. The estimated median drilling cost for each state is provided in Appendix C.

Appendix C also contains the standard errors of the estimates, which can be used to assess the precision attained in the survey. Confidence intervals can be constructed based on the standard errors that show the range in which the estimates will most likely fall. Based on the sample data, API is 95 percent certain that the estimate of total petroleum industry drilling costs is within plus or minus 11.4 percent of the actual value.

Finally, a more detailed description of the JAS methodology is included in Appendix C.

Table 1

TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND ESTIMATED DRILLING

STATE	OIL WELLS			GAS WELLS		
	WELLS DRILLED	TOTAL FOOTAGE	COST	WELLS DRILLED	TOTAL FOOTAGE	COST
ALABAMA*	19	199,738	13,184,517	215	808,973	113,901,537
ALASKA - ONSHORE	109	1,142,980	250,596,367	4	9,884	8,800,000
ALASKA - OFFSHORE	2	24,002	10,097,652	1	6,440	2,100,519
ALASKA - TOTAL	111	1,166,982	260,694,019	5	16,324	10,900,519
ARKANSAS	26	158,504	9,668,614	120	574,855	34,092,473
CALIFORNIA - NORTH	--	--	--	51	342,417	16,188,824
CALIFORNIA -CENTRAL COASTAL	31	102,183	12,321,709	--	--	--
CALIFORNIA - EAST CENTRAL	723	1,410,658	136,142,358	9	50,252	1,984,943
CALIFORNIA - SOUTH	9	40,171	7,112,049	--	--	--
CALIFORNIA - OFFSHORE	17	103,286	15,166,129	--	--	--
CALIFORNIA - TOTAL	780	1,656,298	170,742,245	60	392,669	18,173,767
COLORADO	116	708,125	26,502,168	1,131	7,395,965	249,814,660
FLORIDA	--	--	--	--	--	--
ILLINOIS	332	785,114	31,522,061	12	8,963	354,694
INDIANA	50	93,727	2,436,664	13	11,118	223,165
KANSAS	762	2,195,487	70,534,500	276	924,184	37,578,790
KENTUCKY	211	377,562	17,916,815	258	856,815	39,819,585
LOUISIANA - NORTH	204	688,918	32,936,092	103	654,373	50,864,430
LOUISIANA - SOUTH	136	1,121,106	108,629,654	99	1,187,164	184,438,411
LOUISIANA - OFFSHORE	94	888,926	247,564,257	74	806,532	245,971,419
LOUISIANA - TOTAL	434	2,698,950	389,130,003	276	2,648,069	481,274,260
MICHIGAN	22	111,048	7,615,173	660	1,181,863	90,082,859
MISSISSIPPI	36	305,737	23,203,840	27	204,245	15,775,879
MONTANA	34	171,177	10,002,467	149	241,162	9,962,954
NEBRASKA	16	107,965	3,976,035	9	32,686	1,353,848
NEW MEXICO - EAST	412	2,774,606	174,917,059	63	496,473	38,359,535
NEW MEXICO - WEST	31	158,255	12,002,013	240	833,169	72,620,449
NEW MEXICO - TOTAL	443	2,932,861	186,919,072	303	1,329,642	110,979,984
NORTH DAKOTA	106	1,068,748	79,354,068	1	14,503	1,071,473
OKLAHOMA	719	3,243,159	176,486,108	576	4,323,639	339,717,258
TEXAS RRC DIST. 1	292	1,621,148	95,322,630	37	202,321	10,946,958
TEXAS RRC DIST. 2	51	266,193	12,540,206	108	706,043	44,760,925
TEXAS RRC DIST. 3	535	5,915,997	508,474,994	120	1,259,991	128,725,161
TEXAS RRC DIST. 4	64	309,903	11,580,825	394	3,588,390	304,139,598
TEXAS RRC DIST. 5	63	293,413	18,048,813	50	538,136	40,677,062
TEXAS RRC DIST. 6	106	665,790	47,253,206	340	3,358,003	300,899,334
TEXAS RRC DIST. 7B	322	1,003,103	28,905,557	88	242,142	6,556,874
TEXAS RRC DIST. 7C	434	2,787,878	121,019,487	242	1,732,294	66,634,701
TEXAS RRC DIST. 8	893	6,476,126	312,784,099	32	262,991	15,638,194
TEXAS RRC DIST. 8A	388	2,354,721	107,820,784	--	--	--
TEXAS RRC DIST. 9	409	1,197,378	37,046,364	75	479,307	29,179,352
TEXAS RRC DIST. 10	106	480,326	26,877,352	83	598,949	31,896,757
TEXAS - OFFSHORE	7	67,157	14,987,398	23	214,667	69,333,637
TEXAS - TOTAL	3,670	23,439,133	1,342,661,715	1,592	13,183,234	1,049,388,553
UTAH	60	502,067	58,030,539	207	1,417,730	91,131,416
WYOMING	151	828,890	59,438,059	273	2,674,909	210,742,639
APPALACHIAN**	474	1,871,156	48,055,830	1,233	5,514,857	191,966,592
OFFSHORE FED. - ALASKA	1	8,500	39,747,304	--	--	--
OFFSHORE FED. - ATLANTIC	--	--	--	--	--	--
OFFSHORE FED. - GULF NORTH	25	215,049	90,321,210	13	125,945	93,993,294
OFFSHORE FED. - PACIFIC	--	--	--	--	--	--
OFFSHORE FED - TOTAL	26	223,549	130,068,514	13	125,945	93,993,294
OTHER UNITED STATES***	23	83,134	4,897,856	174	483,177	38,921,963
TOTAL OFFSHORE	146	1,306,920	417,883,950	111	1,153,584	411,398,869
TOTAL ONSHORE	8,475	43,622,191	2,705,156,932	7,472	43,211,943	2,819,823,293
TOTAL U.S.	8,621	44,929,111	3,123,040,882	7,583	44,365,527	3,231,222,162
EXPLORATORY WELLS	484	3,173,437	266,345,383	386	2,561,069	295,918,741
DEVELOPMENT WELLS	8,137	41,755,674	2,856,695,499	7,197	41,804,458	2,935,303,421

*Includes 4 wells for Alabama offshore
**Includes New York, Ohio, Pennsylvania, and West Virginia
***Includes Arizona, Nevada, Oregon, South Dakota, Tennessee, Virginia, Washington, Wisconsin and Wyoming

COSTS FOR OIL AND GAS WELLS, AND DRY HOLES, BY STATE - 1992

Table 1

DRY HOLES			TOTAL WELLS			
WELLS DRILLED	TOTAL FOOTAGE	COST	WELLS DRILLED	TOTAL FOOTAGE	COST	STATE
142	809,073	105,177,316	376	1,817,784	232,263,370	ALABAMA*
15	135,854	68,109,574	128	1,288,718	327,505,941	ALASKA - ONSHORE
1	17,770	28,179,304	4	48,212	40,377,475	ALASKA - OFFSHORE
16	153,624	96,288,878	132	1,336,930	367,883,416	ALASKA - TOTAL
104	515,981	37,520,290	250	1,249,340	81,281,377	ARKANSAS
55	365,086	18,289,843	106	707,503	34,478,667	CALIFORNIA - NORTH
2	7,891	886,242	33	110,074	13,207,951	CALIFORNIA -CENTRAL COASTAL
33	181,337	10,389,024	765	1,642,247	148,516,325	CALIFORNIA - EAST CENTRAL
--	--	--	9	40,171	7,112,049	CALIFORNIA - SOUTH
1	4,513	848,722	18	107,799	16,014,851	CALIFORNIA - OFFSHORE
91	558,827	30,413,831	931	2,607,794	219,329,843	CALIFORNIA - TOTAL
230	1,305,070	45,102,975	1,477	9,409,160	321,419,803	COLORADO
4	60,449	3,378,933	4	60,449	3,378,933	FLORIDA
290	652,837	11,511,737	634	1,446,914	43,388,492	ILLINOIS
51	81,358	1,618,974	114	186,203	4,278,803	INDIANA
827	2,979,106	49,131,180	1,865	6,098,777	157,244,470	KANSAS
346	597,413	21,027,771	815	1,831,790	78,764,171	KENTUCKY
189	972,445	24,009,727	496	2,315,736	107,810,249	LOUISIANA - NORTH
210	2,269,477	264,466,387	445	4,577,747	557,534,452	LOUISIANA - SOUTH
124	1,390,824	275,135,602	292	3,086,282	768,671,278	LOUISIANA - OFFSHORE
523	4,632,746	563,611,716	1,233	9,979,765	1,434,015,979	LOUISIANA - TOTAL
71	313,012	16,650,946	753	1,605,923	114,348,978	MICHIGAN
122	1,060,845	50,116,968	185	1,570,827	89,096,687	MISSISSIPPI
66	232,138	10,441,490	249	644,477	30,406,911	MONTANA
52	312,508	6,372,442	77	453,159	11,702,325	NEBRASKA
76	468,327	29,319,340	551	3,739,406	242,595,934	NEW MEXICO - EAST
18	52,868	3,470,722	289	1,044,292	88,093,184	NEW MEXICO - WEST
94	521,195	32,790,062	840	4,783,698	330,689,118	NEW MEXICO - TOTAL
66	443,770	13,094,166	173	1,527,021	93,519,707	NORTH DAKOTA
600	3,142,113	139,544,128	1,895	10,708,911	655,747,494	OKLAHOMA
305	1,628,535	104,561,089	634	3,452,004	210,830,677	TEXAS RRC DIST. 1
149	894,698	46,314,791	308	1,866,934	103,615,922	TEXAS RRC DIST. 2
225	2,014,682	143,940,198	880	9,190,670	781,140,353	TEXAS RRC DIST. 3
223	1,688,388	113,284,529	681	5,586,681	429,004,952	TEXAS RRC DIST. 4
60	353,924	12,572,051	173	1,185,473	71,297,926	TEXAS RRC DIST. 5
99	644,748	29,647,986	545	4,668,541	377,800,526	TEXAS RRC DIST. 6
296	957,879	18,751,347	706	2,203,124	54,213,778	TEXAS RRC DIST. 7B
170	746,992	30,332,219	846	5,267,164	217,986,407	TEXAS RRC DIST. 7C
101	549,031	28,106,820	1,026	7,288,148	356,529,113	TEXAS RRC DIST. 8
123	772,125	28,284,782	511	3,126,846	136,105,566	TEXAS RRC DIST. 8A
204	755,734	14,632,409	688	2,432,419	80,858,125	TEXAS RRC DIST. 9
54	326,791	10,179,559	243	1,406,066	68,953,668	TEXAS RRC DIST. 10
38	348,891	67,203,343	68	630,715	151,524,378	TEXAS - OFFSHORE
2,047	11,682,418	647,811,123	7,309	48,304,785	3,039,861,391	TEXAS - TOTAL
52	287,772	27,392,382	319	2,207,569	176,554,337	UTAH
183	1,329,531	58,050,611	607	4,833,330	328,231,309	WYOMING
144	508,563	11,332,814	1,851	7,894,576	251,355,236	APPALACHIAN**
1	12,230	58,124,272	2	20,730	97,871,576	OFFSHORE FED. - ALASKA
--	--	--	--	--	--	OFFSHORE FED. - ATLANTIC
18	253,096	159,171,271	56	594,090	343,485,775	OFFSHORE FED. - GULF NORTH
--	--	--	--	--	--	OFFSHORE FED. - PACIFIC
19	265,326	217,295,543	58	614,820	441,357,351	OFFSHORE FED - TOTAL
44	163,289	15,868,547	241	729,600	59,688,366	OTHER UNITED STATES***
183	2,027,324	588,662,514	440	4,487,828	1,417,945,333	TOTAL OFFSHORE
6,001	30,581,640	1,622,882,309	21,948	117,415,774	7,147,862,534	TOTAL ONSHORE
6,184	32,608,964	2,211,544,823	22,388	121,903,602	8,565,807,867	TOTAL U.S.
2,531	14,016,571	1,024,345,127	3,401	19,751,077	1,586,609,251	EXPLORATORY WELLS
3,653	18,592,393	1,187,199,696	18,987	102,152,525	6,979,198,616	DEVELOPMENT WELLS

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

Table 2

TOTAL UNITED STATES--1992*

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1,154	352	628	2,134				
FOOTAGE	0 - 1,249	1,002,487	309,916	488,647	1,801,050	869	880	778	844
COSTS $		47,639,085	19,458,757	13,776,549	80,874,391	41,282	55,281	21,937	37,898
WELLS		1,339	1,261	915	3,515				
FOOTAGE	1,250 - 2,499	2,464,843	2,352,226	1,722,001	6,539,070	1,841	1,865	1,882	1,860
COSTS $		102,612,377	152,523,241	61,272,468	316,408,086	76,634	120,954	66,964	90,017
WELLS		1,096	1,029	849	2,974				
FOOTAGE	2,500 - 3,749	3,434,909	3,263,470	2,672,491	9,370,870	3,134	3,171	3,148	3,151
COSTS $		163,085,618	201,853,972	70,226,297	435,165,887	148,801	196,165	82,716	146,323
WELLS		1,196	786	1,073	3,055				
FOOTAGE	3,750 - 4,999	5,268,575	3,400,401	4,647,041	13,316,017	4,405	4,326	4,331	4,359
COSTS $		221,331,849	155,299,621	111,374,074	488,005,544	185,060	197,582	103,797	159,740
WELLS		1,392	2,001	1,322	4,715				
FOOTAGE	5,000 - 7,499	8,492,721	12,988,740	8,019,209	29,500,670	6,101	6,491	6,066	6,257
COSTS $		453,973,309	532,623,372	279,445,640	1,266,042,321	326,130	266,179	211,381	268,514
WELLS		1,505	1,159	711	3,375				
FOOTAGE	7,500 - 9,999	12,752,627	9,886,908	6,129,524	28,769,059	8,474	8,531	8,621	8,524
COSTS $		859,671,980	651,431,020	346,633,241	1,857,736,241	571,211	562,063	487,529	550,440
WELLS		541	619	333	1,493				
FOOTAGE	10,000 - 12,499	6,122,506	6,851,124	3,712,682	16,686,312	11,317	11,068	11,149	11,176
COSTS $		646,972,810	688,990,968	378,792,203	1,714,755,981	1,195,883	1,113,071	1,137,514	1,148,531
WELLS		371	294	219	884				
FOOTAGE	12,500 - 14,999	4,953,850	3,924,757	2,959,917	11,838,524	13,353	13,350	13,516	13,392
COSTS $		553,412,902	434,208,921	376,591,130	1,364,212,953	1,491,679	1,476,901	1,719,594	1,543,227
WELLS		23	62	96	181				
FOOTAGE	15,000 - 17,499	364,306	993,051	1,536,708	2,894,065	15,839	16,017	16,007	15,989
COSTS $		60,687,543	227,987,084	277,459,432	566,134,059	2,638,589	3,677,211	2,890,203	3,127,813
WELLS		4	14	31	49				
FOOTAGE	17,500 - 19,999	72,287	257,045	570,183	899,515	18,072	18,360	18,393	18,357
COSTS $		13,653,409	78,810,351	181,317,256	273,781,016	3,413,352	5,629,311	5,848,944	5,587,368
WELLS		--	6	7	13				
FOOTAGE	20,000 & OVER	--	137,889	150,561	288,450	--	22,982	21,509	22,188
COSTS $		--	88,034,855	114,656,533	202,691,388	--	14,672,476	16,379,505	15,591,645
TOTAL WELLS		8,621	7,583	6,184	22,388				
TOTAL FOOTAGE		44,929,111	44,365,527	32,608,964	121,903,602	5,212	5,851	5,273	5,445
TOTAL COSTS $		3,123,040,882	3,231,222,162	2,211,544,823	8,565,807,867	362,260	426,114	357,624	382,607

*Includes the following states and areas which are not shown separately: Alabama offshore, Arizona, Nevada, New York, Ohio, Oregon, Pennsylvania, South Dakota, Tennessee, Virginia, Washington, West Virginia, Wisconsin and Wyoming

Table 3

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TOTAL OFFSHORE*

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	1	1				
FOOTAGE	0 - 1,249	--	--	1,150	1,150	--	--	1,150	1,150
COSTS $		--	--	709,856	709,856	--	--	709,856	709,856
WELLS		3	1	1	5				
FOOTAGE	1,250 - 2,499	6,254	2,300	2,095	10,649	2,085	2,300	2,095	2,130
COSTS $		2,458,000	1,401,946	1,311,498	5,171,444	819,333	1,401,946	1,311,498	1,034,289
WELLS		3	6	3	12				
FOOTAGE	2,500 - 3,749	10,479	19,299	9,100	38,878	3,493	3,217	3,033	3,240
COSTS $		2,398,549	12,768,079	1,545,401	16,712,029	799,516	2,128,013	515,134	1,392,669
WELLS		7	3	3	13				
FOOTAGE	3,750 - 4,999	32,538	12,942	13,081	58,561	4,648	4,314	4,360	4,505
COSTS $		5,776,034	5,141,550	2,331,849	13,249,433	825,148	1,713,850	777,283	1,019,187
WELLS		40	11	24	75				
FOOTAGE	5,000 - 7,499	256,886	69,879	146,230	472,995	6,422	6,353	6,093	6,307
COSTS $		76,418,594	19,384,797	31,779,541	127,582,932	1,910,465	1,762,254	1,324,148	1,701,106
WELLS		41	27	39	107				
FOOTAGE	7,500 - 9,999	350,757	229,225	344,773	924,755	8,555	8,490	8,840	8,643
COSTS $		136,258,800	70,299,473	62,501,915	269,060,188	3,323,385	2,603,684	1,602,613	2,514,581
WELLS		29	30	41	100				
FOOTAGE	10,000 - 12,499	325,054	332,292	453,067	1,110,413	11,209	11,076	11,050	11,104
COSTS $		91,084,472	116,247,832	132,027,257	339,359,561	3,140,844	3,874,928	3,220,177	3,393,596
WELLS		19	18	42	79				
FOOTAGE	12,500 - 14,999	258,568	239,890	571,167	1,069,625	13,609	13,327	13,599	13,540
COSTS $		83,653,737	69,320,944	135,512,909	288,487,590	4,402,829	3,851,164	3,226,498	3,651,742
WELLS		3	14	21	38				
FOOTAGE	15,000 - 17,499	48,372	224,875	337,807	611,054	16,124	16,063	16,086	16,080
COSTS $		17,600,778	91,905,602	111,172,552	220,678,932	5,866,926	6,564,686	5,293,931	5,807,341
WELLS		1	--	7	8				
FOOTAGE	17,500 - 19,999	18,012	--	126,365	144,377	18,012	--	18,052	18,047
COSTS $		2,234,986	--	93,218,134	95,453,120	2,234,986	--	13,316,876	11,931,640
WELLS		--	1	1	2				
FOOTAGE	20,000 & OVER	--	22,882	22,489	45,371	--	22,882	22,489	22,686
COSTS $		--	24,928,646	16,551,602	41,480,248	--	24,928,647	16,551,602	20,740,125
TOTAL WELLS		146	111	183	440				
TOTAL FOOTAGE		1,306,920	1,153,584	2,027,324	4,487,828	8,952	10,393	11,078	10,200
TOTAL COSTS $		417,883,950	411,398,869	588,662,514	1,417,945,333	2,862,219	3,706,296	3,216,735	3,222,603

*Includes Offshore Federal Waters - Alaska, which is not shown separately.
Note: Does not include Alabama offshore wells.

Table 4

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TOTAL ONSHORE*

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1,154	352	627	2,133				
FOOTAGE	0 - 1,249	1,002,487	309,916	487,497	1,799,900	869	880	778	844
COSTS $		47,639,085	19,458,757	13,066,693	80,164,535	41,282	55,281	20,840	37,583
WELLS		1,336	1,260	914	3,510				
FOOTAGE	1,250 - 2,499	2,458,589	2,349,926	1,719,906	6,528,421	1,840	1,865	1,882	1,860
COSTS $		100,154,377	151,121,295	59,960,970	311,236,642	74,966	119,938	65,603	88,671
WELLS		1,093	1,023	846	2,962				
FOOTAGE	2,500 - 3,749	3,424,430	3,244,171	2,663,391	9,331,992	3,133	3,171	3,148	3,151
COSTS $		160,687,069	189,085,893	68,680,896	418,453,858	147,015	184,835	81,183	141,274
WELLS		1,189	783	1,070	3,042				
FOOTAGE	3,750 - 4,999	5,236,037	3,387,459	4,633,960	13,257,456	4,404	4,326	4,331	4,358
COSTS $		215,555,815	150,158,071	109,042,225	474,756,111	181,292	191,773	101,909	156,067
WELLS		1,352	1,990	1,298	4,640				
FOOTAGE	5,000 - 7,499	8,235,835	12,918,861	7,872,979	29,027,675	6,092	6,492	6,065	6,256
COSTS $		377,554,715	513,238,575	247,666,099	1,138,459,389	279,256	257,909	190,806	245,358
WELLS		1,464	1,132	672	3,268				
FOOTAGE	7,500 - 9,999	12,401,870	9,657,683	5,784,751	27,844,304	8,471	8,532	8,608	8,520
COSTS $		723,413,180	581,131,547	284,131,326	1,588,676,053	494,135	513,367	422,814	486,131
WELLS		512	589	292	1,393				
FOOTAGE	10,000 - 12,499	5,797,452	6,518,832	3,259,615	15,575,899	11,323	11,068	11,163	11,182
COSTS $		555,888,338	572,743,136	246,764,946	1,375,396,420	1,085,719	972,399	845,085	987,363
WELLS		352	276	177	805				
FOOTAGE	12,500 - 14,999	4,695,282	3,684,867	2,388,750	10,768,899	13,339	13,351	13,496	13,378
COSTS $		469,759,165	364,887,977	241,078,221	1,075,725,363	1,334,543	1,322,058	1,362,024	1,336,305
WELLS		20	48	75	143				
FOOTAGE	15,000 - 17,499	315,934	768,176	1,198,901	2,283,011	15,797	16,004	15,985	15,965
COSTS $		43,086,765	136,081,482	166,286,880	345,455,127	2,154,338	2,835,031	2,217,159	2,415,770
WELLS		3	14	24	41				
FOOTAGE	17,500 - 19,999	54,275	257,045	443,818	755,138	18,092	18,360	18,492	18,418
COSTS $		11,418,423	78,810,351	88,099,122	178,327,896	3,806,141	5,629,311	3,670,797	4,349,461
WELLS		--	5	6	11				
FOOTAGE	20,000 & OVER	--	115,007	128,072	243,079	--	23,001	21,345	22,098
COSTS $		--	63,106,209	98,104,931	161,211,140	--	12,621,242	16,350,822	14,655,558
TOTAL WELLS		8,475	7,472	6,001	21,948				
TOTAL FOOTAGE		43,622,191	43,211,943	30,581,640	117,415,774	5,147	5,783	5,096	5,350
TOTAL COSTS $		2,705,156,932	2,819,823,293	1,622,882,309	7,147,862,534	319,193	377,385	270,435	325,673

*Includes the following states and areas which are not shown separately: Alabama Offshore, Arizona, Nevada, New York, Ohio, Oregon, Pennsylvania, South Dakota, Tennessee, Virginia, Washington, West Virginia, Wisconsin and Wyoming.

ESTIMATED COSTS OF EXPLORATORY & DEVELOPMENT WELLS - 1992

Table 5

		UNITED STATES		LOWER 48 ON		LOWER 48 OFF		ALASKA ON & OFF	
	TOTAL	EXPLORATORY	DEVELOPMENT	EXPLORATORY	DEVELOPMENT	EXPLORATORY	DEVELOPMENT	EXPLORATORY	DEVELOPMENT
OIL:									
Total Wells	8,621	484	8,137	472	7,885	8	144	4	108
Footage	44,929,111	3,173,437	41,755,674	3,054,995	39,394,045	76,139	1,238,450	42,303	1,133,179
Cost $	3,123,040,882	266,345,383	2,856,695,499	186,177,601	2,261,270,835	16,616,093	358,534,150	63,550,809	236,890,514
$/Well	362,260	550,300	351,075	394,444	286,781	2,077,112	2,489,820	15,887,702	2,193,431
$/Foot	69.51	83.93	68.41	60.94	57.42	218.24	289.50	1,502.28	209.05
GAS:									
Total Wells	7,503	306	7,197	365	7,101	21	91	--	5
Footage	44,365,527	2,561,069	41,804,458	2,318,475	40,037,752	242,594	950,302	--	16,324
Cost $	3,231,222,162	295,918,741	2,935,303,421	203,722,504	2,569,389,631	92,196,237	355,013,271	--	10,900,519
$/Well	426,116	766,629	407,851	558,144	361,835	4,390,297	3,901,245	--	2,180,104
$/Foot	72.83	115.55	70.22	87.87	62.92	380.04	373.55	--	667.76
DRY:									
Total Wells	6,184	2,531	3,653	2,424	3,560	96	87	11	6
Footage	32,608,964	14,016,571	18,592,393	12,033,333	17,568,276	1,084,128	957,373	99,110	66,744
Cost $	2,211,566,823	1,026,365,127	1,187,199,696	592,333,053	902,139,682	290,938,418	271,720,520	141,073,656	13,339,494
$/Well	357,624	404,720	324,993	244,362	253,410	3,030,609	3,123,224	12,824,878	2,223,249
$/Foot	67.82	73.08	63.85	46.16	51.35	268.36	283.82	1,423.40	199.86
TOTAL:									
Total Wells	22,388	3,401	18,987	3,261	18,546	125	322	15	119
Footage	121,903,602	19,751,077	102,152,525	18,206,803	97,790,073	1,402,861	3,146,205	141,413	1,216,247
Cost $	8,565,807,867	1,586,609,251	6,979,198,616	982,233,238	5,732,800,148	399,751,548	985,267,941	204,624,465	261,130,527
$/Well	382,607	466,513	367,578	301,206	309,112	3,198,012	3,059,838	13,641,631	2,194,374
$/Foot	70.27	80.33	68.32	53.95	58.62	284.95	313.16	1,447.00	214.70

Table 6

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

ALABAMA*

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	8	8				
FOOTAGE	0 - 1,249	--	--	7,494	7,494	--	--	937	937
COSTS $		--	--	1,049,579	1,049,579	--	--	131,197	131,197
WELLS		--	17	15	32				
FOOTAGE	1,250 - 2,499	--	31,025	29,433	60,458	--	1,825	1,962	1,889
COSTS $		--	2,584,570	2,353,394	4,937,964	--	152,034	156,893	154,311
WELLS		4	138	39	181				
FOOTAGE	2,500 - 3,749	12,330	449,395	125,834	587,559	3,083	3,256	3,227	3,246
COSTS $		704,845	40,268,853	7,538,595	48,512,293	176,211	291,803	193,297	268,024
WELLS		1	46	42	89				
FOOTAGE	3,750 - 4,999	3,750	186,822	166,886	357,458	3,750	4,061	3,973	4,016
COSTS $		159,942	18,137,066	9,667,678	27,964,686	159,942	394,284	230,183	314,210
WELLS		--	9	7	16				
FOOTAGE	5,000 - 7,499	--	48,696	40,415	89,111	--	5,411	5,774	5,569
COSTS $		--	5,571,111	1,898,906	7,470,017	--	619,012	271,272	466,876
WELLS		--	--	2	2				
FOOTAGE	7,500 - 9,999	--	--	17,443	17,443	--	--	8,722	8,722
COSTS $		--	--	798,503	798,503	--	--	399,252	399,252
WELLS		7	--	4	11				
FOOTAGE	10,000 - 12,499	86,097	--	48,424	134,521	12,300	--	12,106	12,229
COSTS $		3,975,264	--	3,020,03*	6,995,297	567,895	--	755,008	635,936
WELLS		7	--	17	24				
FOOTAGE	12,500 - 14,999	97,561	--	232,155	329,716	13,937	--	13,656	13,738
COSTS $		8,344,466	--	10,965,106	19,309,572	1,192,067	--	645,006	804,566
WELLS		--	3	5	8				
FOOTAGE	15,000 - 17,499	--	47,203	78,262	125,465	--	15,734	15,652	15,683
COSTS $		--	9,428,779	5,503,313	14,932,092	--	3,142,926	1,100,663	1,866,512
WELLS		--	--	1	1				
FOOTAGE	17,500 - 19,999	--	--	18,550	18,550	--	--	18,550	18,550
COSTS $		--	--	2,082,209	2,082,209	--	--	2,082,209	2,082,209
WELLS		--	2	2	4				
FOOTAGE	20,000 & OVER	--	45,832	44,177	90,009	--	22,916	22,089	22,502
COSTS $		--	37,911,158	60,300,000	98,211,158	--	18,955,581	30,150,001	24,552,791
TOTAL WELLS		19	215	142	376				
TOTAL FOOTAGE		199,738	808,973	809,073	1,817,784	10,513	3,763	5,698	4,835
TOTAL COSTS $		13,184,517	113,901,537	105,177,216	232,263,370	693,922	529,775	740,685	617,722

*Includes 4 wells for Alabama Offshore, 2 gas wells and 2 dry holes in depth range 11.

Table 7

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

ALASKA - TOTAL

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	2	1	3				
FOOTAGE	1,250 - 2,499	--	4,804	2,415	7,219	--	2,402	2,415	2,406
COSTS $		--	3,750,820	14,990,136	18,740,956	--	1,875,410	14,990,136	6,246,986
WELLS		--	2	1	3				
FOOTAGE	2,500 - 3,749	--	5,080	3,700	8,780	--	2,540	3,700	2,927
COSTS $		--	5,049,180	743,240	5,792,420	--	2,524,590	743,240	1,930,807
WELLS		--	--	--	--				
FOOTAGE	3,750 - 4,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		5	1	3	9				
FOOTAGE	5,000 - 7,499	35,534	6,440	18,139	60,113	7,107	6,440	6,046	6,679
COSTS $		5,266,361	2,100,519	12,086,234	19,453,114	1,053,272	2,100,519	4,028,745	2,161,457
WELLS		42	--	3	45				
FOOTAGE	7,500 - 9,999	378,340	--	25,331	403,671	9,008	--	8,444	8,970
COSTS $		75,691,682	--	13,175,009	88,866,691	1,802,183	--	4,391,670	1,974,815
WELLS		52	--	5	57				
FOOTAGE	10,000 - 12,499	585,919	--	56,588	642,507	11,268	--	11,318	11,272
COSTS $		135,821,777	--	19,874,383	155,696,160	2,611,957	--	3,974,877	2,731,512
WELLS		10	--	1	11				
FOOTAGE	12,500 - 14,999	136,495	--	13,840	150,335	13,650	--	13,840	13,667
COSTS $		34,507,925	--	2,534,680	37,042,605	3,450,793	--	2,534,680	3,367,510
WELLS		2	--	1	3				
FOOTAGE	15,000 - 17,499	30,694	--	15,841	46,535	15,347	--	15,841	15,512
COSTS $		9,406,274	--	4,705,892	14,112,166	4,703,137	--	4,705,892	4,704,056
WELLS		--	--	1	1				
FOOTAGE	17,500 - 19,999	--	--	17,770	17,770	--	--	17,770	17,770
COSTS $		--	--	28,179,304	28,179,304	--	--	28,179,304	28,179,304
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		111	5	16	132				
TOTAL FOOTAGE		1,166,982	16,324	153,624	1,336,930	10,513	3,265	9,602	10,128
TOTAL COSTS $		260,694,019	10,900,519	96,288,878	367,883,416	2,348,595	2,180,104	6,018,055	2,786,996

Table 8

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

ALASKA - ONSHORE

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	2	1	3				
FOOTAGE	1,250 - 2,499	--	4,804	2,415	7,219	--	2,402	2,415	2,406
COSTS $		--	3,750,820	14,990,136	18,740,956	--	1,875,410	14,990,136	6,246,986
WELLS		--	2	1	3				
FOOTAGE	2,500 - 3,749	--	5,080	3,700	8,780	--	2,540	3,700	2,927
COSTS $		--	5,049,180	743,240	5,792,420	--	2,524,590	743,240	1,930,807
WELLS		--	--	--	--				
FOOTAGE	3,750 - 4,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		5	--	3	8				
FOOTAGE	5,000 - 7,499	35,534	--	18,139	53,673	7,107	--	6,046	6,709
COSTS $		5,266,361	--	12,086,234	17,352,595	1,053,272	--	4,028,745	2,169,075
WELLS		42	--	3	45				
FOOTAGE	7,500 - 9,999	378,340	--	25,331	403,671	9,008	--	8,444	8,970
COSTS $		75,691,682	--	13,175,009	88,866,691	1,802,183	--	4,391,670	1,974,815
WELLS		50	--	5	55				
FOOTAGE	10,000 - 12,499	561,917	--	56,588	618,505	11,238	--	11,318	11,246
COSTS $		125,724,125	--	19,874,383	145,598,508	2,514,483	--	3,974,877	2,647,246
WELLS		10	--	1	11				
FOOTAGE	12,500 - 14,999	136,495	--	13,840	150,335	13,650	--	13,840	13,667
COSTS $		34,507,925	--	2,534,680	37,042,605	3,450,793	--	2,534,680	3,367,510
WELLS		2	--	1	3				
FOOTAGE	15,000 - 17,499	30,694	--	15,841	46,535	15,347	--	15,841	15,512
COSTS $		9,406,274	--	4,705,892	14,112,166	4,703,137	--	4,705,892	4,704,056
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		109	4	15	128				
TOTAL FOOTAGE		1,142,980	9,884	135,854	1,288,718	10,486	2,471	9,057	10,068
TOTAL COSTS $		250,596,367	8,800,000	68,109,574	327,505,941	2,299,049	2,200,000	4,540,639	2,558,640

Table 9

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

ALASKA - OFFSHORE

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	2,500 - 3,749	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	3,750 - 4,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	1	--	1				
FOOTAGE	5,000 - 7,499	--	6,440	--	6,440	--	6,440	--	6,440
COSTS $		--	2,100,519	--	2,100,519	--	2,100,519	--	2,100,519
WELLS		--	--	--	--				
FOOTAGE	7,500 - 9,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		2	--	--	2				
FOOTAGE	10,000 - 12,499	24,002	--	--	24,002	12,001	--	--	12,001
COSTS $		10,097,652	--	--	10,097,652	5,048,826	--	--	5,048,826
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	1	1				
FOOTAGE	17,500 - 19,999	--	--	17,770	17,770	--	--	17,770	17,770
COSTS $		--	--	28,179,304	28,179,304	--	--	28,179,304	28,179,304
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		2	1	1	4				
TOTAL FOOTAGE		24,002	6,440	17,770	48,212	12,001	6,440	17,770	12,053
TOTAL COSTS $		10,097,652	2,100,519	28,179,304	40,377,475	5,048,826	2,100,519	28,179,304	10,094,369

Table 10

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

ARKANSAS

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS	0 - 1,249	1	3	4	8	1,220	379	605	597
FOOTAGE		1,220	1,138	2,419	4,777	41,073	16,122	39,895	31,127
COSTS $		41,073	48,365	159,580	249,018				
WELLS	1,250 - 2,499	--	12	8	20	--	2,130	1,941	2,054
FOOTAGE		--	25,561	15,526	41,087	--	115,079	74,404	98,809
COSTS $		--	1,380,945	595,232	1,976,177				
WELLS	2,500 - 3,749	3	17	30	50	3,041	3,090	3,254	3,186
FOOTAGE		9,122	52,534	97,622	159,278	77,040	178,660	87,103	117,629
COSTS $		231,120	3,037,213	2,613,098	5,881,431				
WELLS	3,750 - 4,999	6	26	16	48	4,096	4,356	4,406	4,340
FOOTAGE		24,577	113,258	70,498	208,333	125,254	301,049	129,829	222,001
COSTS $		751,524	7,827,265	2,077,256	10,656,045				
WELLS	5,000 - 7,499	10	53	33	96	6,134	5,676	6,073	5,860
FOOTAGE		61,339	300,824	200,413	562,576	323,057	336,935	190,025	284,989
COSTS $		3,230,566	17,857,572	6,270,814	27,358,952				
WELLS	7,500 - 9,999	3	7	11	21	9,239	8,478	8,799	8,755
FOOTAGE		27,718	59,346	96,792	183,856	682,055	477,092	404,558	468,378
COSTS $		2,046,165	3,339,642	4,450,138	9,835,945				
WELLS	10,000 - 12,499	3	2	1	6	11,509	11,097	12,050	11,462
FOOTAGE		34,528	22,194	12,050	68,772	1,122,722	300,736	1,388,938	893,096
COSTS $		3,368,166	601,471	1,388,938	5,358,575				
WELLS	12,500 - 14,999	--	--	--	--	--	--	--	--
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--				
WELLS	15,000 - 17,499	--	--	--	--	--	--	--	--
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--				
WELLS	17,500 - 19,999	--	--	--	--	--	--	--	--
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--				
WELLS	20,000 & OVER	--	--	1	1	--	--	20,661	20,661
FOOTAGE		--	--	20,661	20,661	--	--	19,965,235	19,965,235
COSTS $		--	--	19,965,234	19,965,234				
TOTAL WELLS		26	120	104	250	6,096	4,790	4,961	4,997
TOTAL FOOTAGE		158,504	574,855	515,981	1,249,340	371,870	284,104	360,772	325,126
TOTAL COSTS $		9,668,614	34,092,473	37,520,290	81,281,377				

Table 11

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

CALIFORNIA - TOTAL

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		306	--	3	309				
FOOTAGE	0 - 1,249	310,111	--	2,223	312,334	1,013	--	741	1,011
COSTS $		27,670,976	--	317,152	27,988,128	90,428	--	105,717	90,576
WELLS		276	--	2	278				
FOOTAGE	1,250 - 2,499	472,459	--	4,447	476,906	1,712	--	2,224	1,715
COSTS $		35,984,635	--	299,108	36,283,743	130,379	--	149,554	130,517
WELLS		113	5	8	126				
FOOTAGE	2,500 - 3,749	335,088	16,083	24,791	375,962	2,965	3,217	3,099	2,984
COSTS $		37,017,106	740,022	1,395,821	39,152,949	327,585	148,004	174,478	310,738
WELLS		32	13	18	63				
FOOTAGE	3,750 - 4,999	144,351	55,928	76,523	276,802	4,511	4,302	4,251	4,394
COSTS $		19,824,726	2,293,355	4,392,895	26,510,976	619,523	176,412	244,050	420,809
WELLS		31	21	33	85				
FOOTAGE	5,000 - 7,499	199,787	138,919	207,232	545,938	6,445	6,615	6,280	6,423
COSTS $		22,927,234	6,023,534	8,763,244	37,714,012	739,588	286,835	265,553	443,694
WELLS		18	19	22	59				
FOOTAGE	7,500 - 9,999	150,043	159,939	185,871	495,853	8,336	8,418	8,449	8,404
COSTS $		20,336,550	7,744,431	8,771,426	36,852,407	1,129,808	407,602	398,701	624,617
WELLS		4	2	4	10				
FOOTAGE	10,000 - 12,499	44,459	21,800	44,740	110,999	11,115	10,900	11,185	11,100
COSTS $		6,981,018	1,372,425	3,502,124	11,855,567	1,745,255	686,213	875,531	1,185,557
WELLS		--	--	1	1				
FOOTAGE	12,500 - 14,999	--	--	13,000	13,000	--	--	13,000	13,000
COSTS $		--	--	2,972,061	2,972,061	--	--	2,972,061	2,972,061
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		780	60	91	931				
TOTAL FOOTAGE		1,656,298	392,669	558,827	2,607,794	2,123	6,544	6,141	2,801
TOTAL COSTS $		170,742,245	18,173,767	30,413,831	219,329,843	218,900	302,896	334,218	235,585

Table 12

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

CALIFORNIA - NORTH

DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
	OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS	--	--	--	--				
FOOTAGE 0 - 1,249	--	--	--	--	--	--	--	--
COSTS $	--	--	--	--	--	--	--	--
WELLS	--	--	--	--				
FOOTAGE 1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $	--	--	--	--	--	--	--	--
WELLS	--	4	4	8				
FOOTAGE 2,500 - 3,749	--	13,083	12,245	25,328	--	3,271	3,061	3,166
COSTS $	--	644,111	533,151	1,177,262	--	161,028	133,288	147,158
WELLS	--	11	12	23				
FOOTAGE 3,750 - 4,999	--	47,128	49,832	96,960	--	4,284	4,153	4,216
COSTS $	--	1,828,402	2,201,104	4,029,506	--	166,218	183,425	175,196
WELLS	--	15	17	32				
FOOTAGE 5,000 - 7,499	--	100,467	109,669	210,136	--	6,698	6,451	6,567
COSTS $	--	4,599,455	3,725,034	8,324,489	--	306,630	219,120	260,140
WELLS	--	19	19	38				
FOOTAGE 7,500 - 9,999	--	159,939	158,990	318,929	--	8,418	8,368	8,393
COSTS $	--	7,744,431	7,143,373	14,887,804	--	407,602	375,967	391,784
WELLS	--	2	2	4				
FOOTAGE 10,000 - 12,499	--	21,800	21,350	43,150	--	10,900	10,675	10,788
COSTS $	--	1,372,425	1,715,120	3,087,545	--	686,213	857,560	771,886
WELLS	--	--	1	1				
FOOTAGE 12,500 - 14,999	--	--	13,000	13,000	--	--	13,000	13,000
COSTS $	--	--	2,972,061	2,972,061	--	--	2,972,061	2,972,061
WELLS	--	--	--	--				
FOOTAGE 15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $	--	--	--	--	--	--	--	--
WELLS	--	--	--	--				
FOOTAGE 17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $	--	--	--	--	--	--	--	--
WELLS	--	--	--	--				
FOOTAGE 20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $	--	--	--	--	--	--	--	--
TOTAL WELLS	--	51	55	106				
TOTAL FOOTAGE	--	342,417	365,086	707,503	--	6,714	6,638	6,675
TOTAL COSTS $	--	16,188,824	18,289,843	34,478,667	--	317,428	332,543	325,270

Table 13

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

CALIFORNIA - CENTRAL COASTAL

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		16	--	--	16				
FOOTAGE	1,250 - 2,499	35,503	--	--	35,503	2,219	--	--	2,219
COSTS $		4,061,635	--	--	4,061,635	253,852	--	--	253,852
WELLS		8	--	1	9				
FOOTAGE	2,500 - 3,749	22,485	--	3,177	25,662	2,811	--	3,177	2,851
COSTS $		2,757,735	--	360,540	3,118,275	344,717	--	360,540	346,475
WELLS		2	--	1	3				
FOOTAGE	3,750 - 4,999	8,512	--	4,714	13,226	4,256	--	4,714	4,409
COSTS $		1,564,097	--	525,702	2,089,799	782,049	--	525,702	696,600
WELLS		4	--	--	4				
FOOTAGE	5,000 - 7,499	24,934	--	--	24,934	6,234	--	--	6,234
COSTS $		2,295,795	--	--	2,295,795	573,949	--	--	573,949
WELLS		--	--	--	--				
FOOTAGE	7,500 - 9,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		1	--	--	1				
FOOTAGE	10,000 - 12,499	10,749	--	--	10,749	10,749	--	--	10,749
COSTS $		1,642,447	--	--	1,642,447	1,642,447	--	--	1,642,447
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		31	--	2	33				
TOTAL FOOTAGE		102,183	--	7,891	110,074	3,296	--	3,946	3,336
TOTAL COSTS $		12,321,709	--	886,242	13,207,951	397,474	--	443,121	400,241

Table 14

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

CALIFORNIA - EAST CENTRAL

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		306	--	3	309				
FOOTAGE	0 - 1,249	310,111	--	2,223	312,334	1,013	--	741	1,011
COSTS $		27,670,976	--	317,152	27,988,128	90,428	--	105,717	90,576
WELLS		257	--	2	259				
FOOTAGE	1,250 - 2,499	430,566	--	4,447	435,013	1,675	--	2,224	1,680
COSTS $		31,177,918	--	299,108	31,477,026	121,315	--	149,554	121,533
WELLS		102	1	3	106				
FOOTAGE	2,500 - 3,749	302,598	3,000	9,369	314,967	2,967	3,000	3,123	2,971
COSTS $		32,226,007	95,911	502,130	32,824,048	315,941	95,911	167,377	309,661
WELLS		23	2	4	29				
FOOTAGE	3,750 - 4,999	103,569	8,800	17,464	129,833	4,503	4,400	4,366	4,477
COSTS $		12,376,225	464,953	817,367	13,658,545	538,097	232,477	204,342	470,984
WELLS		19	6	16	41				
FOOTAGE	5,000 - 7,499	121,476	38,452	97,563	257,491	6,393	6,409	6,098	6,280
COSTS $		12,896,256	1,424,079	5,038,210	19,358,545	678,750	237,347	314,888	472,160
WELLS		13	--	3	16				
FOOTAGE	7,500 - 9,999	108,628	--	26,881	135,509	8,356	--	8,960	8,469
COSTS $		14,456,405	--	1,628,053	16,084,458	1,112,031	--	542,684	1,005,279
WELLS		3	--	2	5				
FOOTAGE	10,000 - 12,499	33,710	--	23,390	57,100	11,237	--	11,695	11,420
COSTS $		5,338,571	--	1,787,004	7,125,575	1,779,524	--	893,502	1,425,115
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		723	9	33	765				
TOTAL FOOTAGE		1,410,658	50,252	181,337	1,642,247	1,951	5,584	5,495	2,147
TOTAL COSTS $		136,142,358	1,984,943	10,389,024	148,516,325	188,302	220,549	314,819	194,139

Table 15

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

CALIFORNIA - SOUTH

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		3	--	--	3				
FOOTAGE	1,250 - 2,499	6,390	--	--	6,390	2,130	--	--	2,130
COSTS $		745,082	--	--	745,082	248,361	--	--	248,361
WELLS		2	--	--	2				
FOOTAGE	2,500 - 3,749	6,303	--	--	6,303	3,152	--	--	3,152
COSTS $		1,428,815	--	--	1,428,815	714,408	--	--	714,408
WELLS		1	--	--	1				
FOOTAGE	3,750 - 4,999	4,700	--	--	4,700	4,700	--	--	4,700
COSTS $		1,498,882	--	--	1,498,882	1,498,882	--	--	1,498,882
WELLS		2	--	--	2				
FOOTAGE	5,000 - 7,499	13,828	--	--	13,828	6,914	--	--	6,914
COSTS $		2,126,305	--	--	2,126,305	1,063,153	--	--	1,063,153
WELLS		1	--	--	1				
FOOTAGE	7,500 - 9,999	8,950	--	--	8,950	8,950	--	--	8,950
COSTS $		1,312,965	--	--	1,312,965	1,312,965	--	--	1,312,965
WELLS		--	--	--	--				
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		9	--	--	9				
TOTAL FOOTAGE		40,171	--	--	40,171	4,463	--	--	4,463
TOTAL COSTS $		7,112,049	--	--	7,112,049	790,228	--	--	790,228

Table 16

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

CALIFORNIA - OFFSHORE

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		1	--	--	1				
FOOTAGE	2,500 - 3,749	3,702	--	--	3,702	3,702	--	--	3,702
COSTS $		604,549	--	--	604,549	604,549	--	--	604,549
WELLS		6	--	1	7				
FOOTAGE	3,750 - 4,999	27,570	--	4,513	32,083	4,595	--	4,513	4,583
COSTS $		4,385,522	--	848,722	5,234,244	730,920	--	848,722	747,749
WELLS		6	--	--	6				
FOOTAGE	5,000 - 7,499	39,549	--	--	39,549	6,592	--	--	6,592
COSTS $		5,608,878	--	--	5,608,878	934,813	--	--	934,813
WELLS		4	--	--	4				
FOOTAGE	7,500 - 9,999	32,465	--	--	32,465	8,116	--	--	8,116
COSTS $		4,567,180	--	--	4,567,180	1,141,795	--	--	1,141,795
WELLS		--	--	--	--				
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		17	--	1	18				
TOTAL FOOTAGE		103,286	--	4,513	107,799	6,076	--	4,513	5,989
TOTAL COSTS $		15,166,129	--	848,722	16,014,851	892,125	--	848,722	889,714

Table 17

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

COLORADO

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1	8	1	10				
FOOTAGE	0 - 1,249	650	7,767	1,085	9,502	650	971	1,085	950
COSTS $		68,464	900,726	43,245	1,012,435	68,464	112,591	43,245	101,244
WELLS		--	53	8	61				
FOOTAGE	1,250 - 2,499	--	109,052	15,765	124,817	--	2,058	1,971	2,046
COSTS $		--	8,123,733	1,272,777	9,396,510	--	153,278	159,097	154,041
WELLS		2	143	15	160				
FOOTAGE	2,500 - 3,749	6,303	423,499	44,818	474,620	3,152	2,962	2,988	2,966
COSTS $		650,849	30,422,176	1,617,239	32,690,264	325,425	212,742	107,816	204,314
WELLS		35	24	38	97				
FOOTAGE	3,750 - 4,999	162,242	105,992	167,978	436,212	4,635	4,416	4,420	4,497
COSTS $		7,657,647	5,344,041	4,334,020	17,335,708	218,790	222,668	114,053	178,719
WELLS		50	585	149	784				
FOOTAGE	5,000 - 7,499	311,317	4,215,587	885,514	5,412,418	6,226	7,206	5,943	6,904
COSTS $		11,891,470	119,370,000	16,552,428	147,813,898	237,829	204,051	111,090	188,538
WELLS		27	318	12	357				
FOOTAGE	7,500 - 9,999	217,242	2,534,068	96,184	2,847,494	8,046	7,969	8,015	7,976
COSTS $		5,847,730	85,653,984	1,844,760	93,346,474	216,583	269,352	153,730	261,475
WELLS		1	--	3	4				
FOOTAGE	10,000 - 12,499	10,371	--	33,271	43,642	10,371	--	11,090	10,911
COSTS $		386,008	--	2,979,629	3,365,637	386,008	--	993,210	841,409
WELLS		--	--	2	2				
FOOTAGE	12,500 - 14,999	--	--	25,533	25,533	--	--	12,767	12,767
COSTS $		--	--	5,619,540	5,619,540	--	--	2,809,770	2,809,770
WELLS		--	--	1	1				
FOOTAGE	15,000 - 17,499	--	--	16,500	16,500	--	--	16,500	16,500
COSTS $		--	--	7,379,870	7,379,870	--	--	7,379,870	7,379,870
WELLS		--	--	1	1				
FOOTAGE	17,500 - 19,999	--	--	18,422	18,422	--	--	18,422	18,422
COSTS $		--	--	3,459,467	3,459,467	--	--	3,459,467	3,459,467
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		116	1,131	230	1,477				
TOTAL FOOTAGE		708,125	7,395,965	1,305,070	9,409,160	6,105	6,539	5,674	6,370
TOTAL COSTS $		26,502,168	249,814,660	45,102,975	321,419,803	228,467	220,879	196,100	217,617

Table 18

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

FLORIDA

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	2,500 - 3,749	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	3,750 - 4,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	5,000 - 7,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	7,500 - 9,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	1	1				
FOOTAGE	10,000 - 12,499	--	--	11,710	11,710	--	--	11,710	11,710
COSTS $		--	--	1,142,629	1,142,629	--	--	1,142,629	1,142,629
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	3	3				
FOOTAGE	15,000 - 17,499	--	--	48,739	48,739	--	--	16,246	16,246
COSTS $		--	--	2,236,304	2,236,304	--	--	745,435	745,435
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		--	--	4	4				
TOTAL FOOTAGE		--	--	60,449	60,449	--	--	15,112	15,112
TOTAL COSTS $		--	--	3,378,933	3,378,933	--	--	844,733	844,733

Table 19

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

ILLINOIS

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		83	10	86	179				
FOOTAGE	0 - 1,249	60,870	4,103	64,364	129,337	733	410	748	723
COSTS $		2,323,906	92,134	1,223,107	3,639,147	27,999	9,213	14,222	20,330
WELLS		101	1	78	180				
FOOTAGE	1,250 - 2,499	190,193	2,000	152,062	344,255	1,883	2,000	1,950	1,913
COSTS $		7,192,827	157,627	2,735,447	10,085,901	71,216	157,627	35,070	56,033
WELLS		91	1	82	174				
FOOTAGE	2,500 - 3,749	292,509	2,860	247,270	542,639	3,214	2,860	3,015	3,119
COSTS $		11,319,212	104,933	4,181,825	15,605,970	124,387	104,933	50,998	89,689
WELLS		45	--	36	81				
FOOTAGE	3,750 - 4,999	177,987	--	144,659	322,646	3,955	--	4,018	3,983
COSTS $		8,358,449	--	2,571,246	10,929,695	185,743	--	71,424	134,935
WELLS		12	--	8	20				
FOOTAGE	5,000 - 7,499	63,555	--	44,482	108,037	5,296	--	5,560	5,402
COSTS $		2,327,667	--	800,112	3,127,779	193,972	--	100,014	156,389
WELLS		--	--	--	--				
FOOTAGE	7,500 - 9,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		332	12	290	634				
TOTAL FOOTAGE		785,114	8,963	652,837	1,446,914	2,365	747	2,251	2,282
TOTAL COSTS $		31,522,061	354,694	11,511,737	43,388,492	94,946	29,558	39,696	68,436

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

Table 20

INDIANA

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		19	11	21	51				
FOOTAGE	0 - 1,249	19,587	7,382	18,166	45,135	1,031	671	865	885
COSTS $		491,810	177,882	359,747	1,029,439	25,885	16,171	17,131	20,185
WELLS		17	2	22	41				
FOOTAGE	1,250 - 2,499	31,254	3,736	40,749	75,739	1,838	1,868	1,852	1,847
COSTS $		529,839	45,283	942,232	1,517,354	31,167	22,642	42,829	37,009
WELLS		13	--	8	21				
FOOTAGE	2,500 - 3,749	38,334	--	22,443	60,777	2,949	--	2,805	2,894
COSTS $		1,192,604	--	316,995	1,509,599	91,739	--	39,624	71,886
WELLS		1	--	--	1				
FOOTAGE	3,750 - 4,999	4,552	--	--	4,552	4,552	--	--	4,552
COSTS $		222,411	--	--	222,411	222,411	--	--	222,411
WELLS		--	--	--	--				
FOOTAGE	5,000 - 7,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	7,500 - 9,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		50	13	51	114				
TOTAL FOOTAGE		93,727	11,118	81,358	186,203	1,875	855	1,595	1,633
TOTAL COSTS $		2,436,664	223,165	1,618,974	4,278,803	48,733	17,167	31,745	37,533

Table 21

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

KANSAS

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		247	43	139	429				
FOOTAGE	0 - 1,249	203,453	40,316	117,411	361,180	824	938	845	842
COSTS $		3,171,657	869,024	1,494,270	5,534,951	12,841	20,210	10,750	12,902
WELLS		96	27	66	189				
FOOTAGE	1,250 - 2,499	175,558	42,782	127,898	346,238	1,829	1,585	1,938	1,832
COSTS $		3,222,422	1,354,428	1,895,036	6,471,886	33,567	50,164	28,713	34,243
WELLS		132	108	124	364				
FOOTAGE	2,500 - 3,749	443,524	303,486	411,238	1,158,248	3,360	2,810	3,316	3,182
COSTS $		11,433,516	14,465,526	5,377,455	31,276,497	86,618	133,940	43,367	85,924
WELLS		207	25	361	593				
FOOTAGE	3,750 - 4,999	913,798	110,040	1,554,814	2,578,652	4,414	4,402	4,307	4,348
COSTS $		30,255,055	5,236,326	23,505,238	58,996,619	146,160	209,453	65,111	99,488
WELLS		79	73	137	289				
FOOTAGE	5,000 - 7,499	451,654	427,560	767,745	1,646,959	5,717	5,857	5,604	5,699
COSTS $		21,981,744	15,653,486	16,859,181	54,494,411	278,250	214,431	123,060	188,562
WELLS		1	--	--	1				
FOOTAGE	7,500 - 9,999	7,500	--	--	7,500	7,500	--	--	7,500
COSTS $		470,106	--	--	470,106	470,106	--	--	470,106
WELLS		--	--	--	--				
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		762	276	827	1,865				
TOTAL FOOTAGE		2,195,487	924,184	2,979,106	6,098,777	2,881	3,348	3,602	3,270
TOTAL COSTS $		70,534,500	37,578,790	49,131,180	157,244,470	92,565	136,155	59,409	84,313

Table 22

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

KENTUCKY

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		48	10	100	158				
FOOTAGE	0 - 1,249	36,759	10,947	75,038	122,744	766	1,095	750	777
COSTS $		1,144,693	331,937	1,122,691	2,599,321	23,848	33,194	11,227	16,451
WELLS		121	81	204	406				
FOOTAGE	1,250 - 2,499	212,792	159,305	366,650	738,747	1,759	1,967	1,797	1,820
COSTS $		7,889,757	4,897,705	8,167,862	20,955,324	65,205	60,465	40,039	51,614
WELLS		42	40	37	119				
FOOTAGE	2,500 - 3,749	128,011	130,142	112,362	370,515	3,048	3,254	3,037	3,114
COSTS $		8,882,365	5,790,036	4,869,110	19,541,511	211,485	144,751	131,598	164,214
WELLS		--	117	2	119				
FOOTAGE	3,750 - 4,999	--	503,559	7,926	511,485	--	4,304	3,963	4,298
COSTS $		--	25,925,844	480,388	26,406,232	--	221,588	240,194	221,901
WELLS		--	10	1	11				
FOOTAGE	5,000 - 7,499	--	52,862	7,130	59,992	--	5,286	7,130	5,454
COSTS $		--	2,874,063	885,656	3,759,719	--	287,406	885,656	341,793
WELLS		--	--	--	--				
FOOTAGE	7,500 - 9,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	2	2				
FOOTAGE	12,500 - 14,999	--	--	28,307	28,307	--	--	14,154	14,154
COSTS $		--	--	5,502,064	5,502,064	--	--	2,751,032	2,751,032
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		211	258	346	815				
TOTAL FOOTAGE		377,562	856,815	597,413	1,831,790	1,789	3,321	1,727	2,248
TOTAL COSTS $		17,916,815	39,819,585	21,027,771	78,764,171	84,914	154,339	60,774	96,643

Table 23

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

LOUISIANA - TOTAL

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		58	13	10	81				
FOOTAGE	0 - 1,249	55,689	12,102	9,356	77,147	960	931	936	952
COSTS $		1,345,581	286,273	946,790	2,578,644	23,200	22,021	94,679	31,835
WELLS		49	30	27	106				
FOOTAGE	1,250 - 2,499	85,820	66,069	51,992	203,881	1,751	2,202	1,926	1,923
COSTS $		5,913,370	3,514,989	2,553,572	11,981,931	120,681	117,166	94,577	113,037
WELLS		52	8	42	102				
FOOTAGE	2,500 - 3,749	160,194	25,536	129,789	315,519	3,081	3,192	3,090	3,093
COSTS $		9,236,416	5,768,983	3,784,878	18,790,277	177,623	721,123	90,116	184,218
WELLS		51	5	42	98				
FOOTAGE	3,750 - 4,999	219,461	22,731	183,025	425,217	4,303	4,546	4,358	4,339
COSTS $		9,654,624	2,928,954	6,063,057	18,646,635	189,306	585,791	144,359	190,272
WELLS		55	15	103	173				
FOOTAGE	5,000 - 7,499	338,907	95,003	618,942	1,052,852	6,162	6,334	6,009	6,086
COSTS $		45,483,845	17,273,786	31,438,285	94,195,916	826,979	1,151,586	305,226	544,485
WELLS		65	61	83	209				
FOOTAGE	7,500 - 9,999	560,922	542,732	721,406	1,825,060	8,630	8,897	8,692	8,732
COSTS $		78,869,382	55,927,494	48,921,510	183,718,386	1,213,375	916,844	589,416	879,035
WELLS		63	75	76	214				
FOOTAGE	10,000 - 12,499	701,297	845,755	854,088	2,401,140	11,132	11,277	11,238	11,220
COSTS $		112,230,401	127,885,090	90,871,874	330,987,365	1,781,435	1,705,135	1,195,683	1,546,670
WELLS		35	37	82	154				
FOOTAGE	12,500 - 14,999	471,299	504,971	1,110,895	2,087,165	13,466	13,648	13,548	13,553
COSTS $		104,092,772	96,443,602	166,772,176	367,308,550	2,974,079	2,606,584	2,033,807	2,385,121
WELLS		3	26	49	78				
FOOTAGE	15,000 - 17,499	50,574	420,973	784,092	1,255,639	16,858	16,191	16,002	16,098
COSTS $		10,566,440	124,172,255	158,213,208	292,951,903	3,522,147	4,775,856	3,228,841	3,755,794
WELLS		3	6	7	16				
FOOTAGE	17,500 - 19,999	54,787	112,197	128,527	295,511	18,262	18,700	18,361	18,469
COSTS $		11,737,172	47,072,834	39,747,863	98,557,869	3,912,391	7,845,473	5,678,266	6,159,867
WELLS		--	--	2	2				
FOOTAGE	20,000 & OVER	--	--	40,634	40,634	--	--	20,317	20,317
COSTS $		--	--	14,298,503	14,298,503	--	--	7,149,252	7,149,252
TOTAL WELLS		434	276	523	1,233				
TOTAL FOOTAGE		2,698,950	2,648,069	4,632,746	9,979,765	6,219	9,594	8,858	8,094
TOTAL COSTS $		389,130,003	481,274,260	563,611,716	1,434,015,979	896,613	1,743,747	1,077,652	1,163,030

Table 24

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

LOUISIANA - NORTH

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		57	13	9	79				
FOOTAGE	0 - 1,249	54,463	12,102	8,206	74,771	955	931	912	946
COSTS $		1,312,022	286,273	236,934	1,835,229	23,018	22,021	26,326	23,231
WELLS		33	26	19	78				
FOOTAGE	1,250 - 2,499	54,154	58,049	37,948	150,151	1,641	2,233	1,997	1,925
COSTS $		1,368,422	1,305,455	739,466	3,413,343	41,467	50,210	38,919	43,761
WELLS		36	3	33	72				
FOOTAGE	2,500 - 3,749	110,634	9,485	100,165	220,284	3,073	3,162	3,035	3,060
COSTS $		3,928,939	261,140	1,730,775	5,920,854	109,137	87,047	52,448	82,234
WELLS		44	2	25	71				
FOOTAGE	3,750 - 4,999	190,430	8,954	107,987	307,371	4,328	4,477	4,319	4,329
COSTS $		6,525,613	271,458	1,964,282	8,761,353	148,309	135,729	78,571	123,399
WELLS		18	2	71	91				
FOOTAGE	5,000 - 7,499	106,141	12,050	429,221	547,412	5,897	6,025	6,045	6,016
COSTS $		3,951,233	613,559	8,410,555	12,975,347	219,513	306,780	118,459	142,586
WELLS		4	35	26	65				
FOOTAGE	7,500 - 9,999	33,890	310,158	220,551	564,599	8,473	8,862	8,483	8,686
COSTS $		2,012,841	23,374,599	7,710,738	33,098,178	503,210	667,846	296,567	509,203
WELLS		11	22	6	39				
FOOTAGE	10,000 - 12,499	126,180	243,575	68,367	438,122	11,471	11,072	11,395	11,234
COSTS $		11,851,424	24,751,946	3,216,977	39,820,347	1,077,402	1,125,089	536,163	1,021,035
WELLS		1	--	--	1				
FOOTAGE	12,500 - 14,999	13,026	--	--	13,026	13,026	--	--	13,026
COSTS $		1,985,598	--	--	1,985,598	1,985,598	--	--	1,985,598
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		204	103	189	496				
TOTAL FOOTAGE		688,918	654,373	972,445	2,315,736	3,377	6,353	5,145	4,669
TOTAL COSTS $		32,936,092	50,864,430	24,009,727	107,810,249	161,451	493,829	127,036	217,359

Table 25

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

LOUISIANA - SOUTH

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		1	--	--	1				
FOOTAGE	0 - 1,249	1,226	--	--	1,226	1,226	--	--	1,226
COSTS $		33,559	--	--	33,559	33,559	--	--	33,559
WELLS		13	3	7	23				
FOOTAGE	1,250 - 2,499	25,412	5,720	11,949	43,081	1,955	1,907	1,707	1,873
COSTS $		2,086,948	807,588	502,608	3,397,144	160,534	269,196	71,801	147,702
WELLS		14	2	6	22				
FOOTAGE	2,500 - 3,749	42,783	6,472	20,524	69,779	3,056	3,236	3,421	3,172
COSTS $		3,513,477	391,583	508,702	4,413,762	250,963	195,792	84,784	200,626
WELLS		6	1	15	22				
FOOTAGE	3,750 - 4,999	24,063	4,915	66,470	95,448	4,011	4,915	4,431	4,339
COSTS $		1,738,499	245,352	2,615,648	4,599,499	289,750	245,352	174,377	209,068
WELLS		16	4	16	36				
FOOTAGE	5,000 - 7,499	103,501	26,904	96,157	226,562	6,469	6,726	6,010	6,293
COSTS $		6,024,507	1,389,066	4,095,349	11,508,922	376,532	347,267	255,959	319,692
WELLS		38	14	43	95				
FOOTAGE	7,500 - 9,999	330,032	130,633	373,616	834,281	8,685	9,331	8,689	8,782
COSTS $		23,134,608	7,771,634	20,276,596	51,182,838	608,806	555,117	471,549	538,767
WELLS		27	34	37	98				
FOOTAGE	10,000 - 12,499	295,911	385,313	424,180	1,105,404	10,960	11,333	11,464	11,280
COSTS $		24,085,338	35,930,575	30,869,902	90,885,815	892,050	1,056,782	834,322	927,406
WELLS		17	22	47	86				
FOOTAGE	12,500 - 14,999	228,219	303,641	633,760	1,165,620	13,425	13,802	13,484	13,554
COSTS $		30,288,288	45,276,335	82,602,221	158,166,844	1,781,664	2,058,015	1,757,494	1,839,149
WELLS		2	13	32	47				
FOOTAGE	15,000 - 17,499	33,184	211,369	509,445	753,998	16,592	16,259	15,920	16,043
COSTS $		8,222,244	45,553,444	79,023,543	132,799,231	4,111,122	3,504,111	2,469,486	2,825,516
WELLS		2	6	5	13				
FOOTAGE	17,500 - 19,999	36,775	112,197	92,742	241,714	18,388	18,700	18,548	18,593
COSTS $		9,502,186	47,072,834	29,673,315	86,248,335	4,751,093	7,845,473	5,934,663	6,634,488
WELLS		--	--	2	2				
FOOTAGE	20,000 & OVER	--	--	40,634	40,634	--	--	20,317	20,317
COSTS $		--	--	14,298,503	14,298,503	--	--	7,149,252	7,149,252
TOTAL WELLS		136	99	210	445				
TOTAL FOOTAGE		1,121,106	1,187,164	2,269,477	4,577,747	8,243	11,992	10,807	10,287
TOTAL COSTS $		108,629,654	184,438,411	264,466,387	557,534,452	798,747	1,863,014	1,259,364	1,252,886

Table 26

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

LOUISIANA - OFFSHORE

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	1	1				
FOOTAGE	0 - 1,249	--	--	1,150	1,150	--	--	1,150	1,150
COSTS $		--	--	709,856	709,856	--	--	709,856	709,856
WELLS		3	1	1	5				
FOOTAGE	1,250 - 2,499	6,254	2,300	2,095	10,649	2,085	2,300	2,095	2,130
COSTS $		2,458,000	1,401,946	1,311,498	5,171,444	819,333	1,401,946	1,311,498	1,034,289
WELLS		2	3	3	8				
FOOTAGE	2,500 - 3,749	6,777	9,579	9,100	25,456	3,389	3,193	3,033	3,182
COSTS $		1,794,000	5,116,260	1,545,401	8,455,661	897,000	1,705,420	515,134	1,056,958
WELLS		1	2	2	5				
FOOTAGE	3,750 - 4,999	4,968	8,862	8,568	22,398	4,968	4,431	4,284	4,480
COSTS $		1,390,512	2,412,144	1,483,127	5,285,783	1,390,512	1,206,072	741,564	1,057,157
WELLS		21	9	16	46				
FOOTAGE	5,000 - 7,499	129,265	56,049	93,564	278,878	6,155	6,228	5,848	6,063
COSTS $		35,508,105	15,271,161	18,932,381	69,711,647	1,690,862	1,696,796	1,183,274	1,515,471
WELLS		23	12	14	49				
FOOTAGE	7,500 - 9,999	197,000	101,941	127,239	426,180	8,565	8,495	9,089	8,698
COSTS $		53,721,933	24,781,261	20,934,176	99,437,370	2,335,736	2,065,105	1,495,298	2,029,334
WELLS		25	19	33	77				
FOOTAGE	10,000 - 12,499	279,206	216,867	361,541	857,614	11,168	11,414	10,956	11,138
COSTS $		76,293,639	67,202,569	56,784,995	200,281,203	3,051,746	3,536,977	1,720,757	2,601,055
WELLS		17	15	35	67				
FOOTAGE	12,500 - 14,999	230,054	201,330	477,135	908,519	13,533	13,422	13,632	13,560
COSTS $		71,818,886	51,167,267	84,169,955	207,156,108	4,224,641	3,411,151	2,404,856	3,091,882
WELLS		1	13	17	31				
FOOTAGE	15,000 - 17,499	17,390	209,604	274,647	501,641	17,390	16,123	16,156	16,182
COSTS $		2,344,196	78,618,811	79,189,665	160,152,672	2,344,196	6,047,601	4,658,216	5,166,215
WELLS		1	--	2	3				
FOOTAGE	17,500 - 19,999	18,012	--	35,785	53,797	18,012	--	17,893	17,932
COSTS $		2,234,986	--	10,074,548	12,309,534	2,234,986	--	5,037,274	4,103,178
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		94	74	124	292				
TOTAL FOOTAGE		888,926	806,532	1,390,824	3,086,282	9,457	10,899	11,216	10,569
TOTAL COSTS $		247,564,257	245,971,419	275,135,602	768,671,278	2,633,662	3,323,938	2,218,836	2,632,436

Table 27

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

OFFSHORE LOUISIANA--STATE WATERS

DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
	OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS	--	--	--	--				
FOOTAGE 0 - 1,249	--	--	--	--	--	--	--	--
COSTS $	--	--	--	--	--	--	--	--
WELLS	1	--	--	1				
FOOTAGE 1,250 - 2,499	1,895	--	--	1,895	1,895	--	--	1,895
COSTS $	1,063,000	--	--	1,063,000	1,063,000	--	--	1,063,000
WELLS	1	1	--	2				
FOOTAGE 2,500 - 3,749	3,505	2,850	--	6,355	3,505	2,850	--	3,178
COSTS $	773,000	1,403,000	--	2,176,000	773,000	1,403,000	--	1,088,000
WELLS	--	--	--	--				
FOOTAGE 3,750 - 4,999	--	--	--	--	--	--	--	--
COSTS $	--	--	--	--	--	--	--	--
WELLS	13	4	5	22				
FOOTAGE 5,000 - 7,499	79,902	23,956	29,721	133,579	6,146	5,989	5,944	6,072
COSTS $	18,254,400	7,720,181	5,194,224	31,168,805	1,404,185	1,930,045	1,038,845	1,416,764
WELLS	12	3	2	17				
FOOTAGE 7,500 - 9,999	100,761	23,525	19,667	143,953	8,397	7,842	9,834	8,468
COSTS $	22,640,328	6,243,763	3,421,452	32,305,543	1,886,694	2,081,254	1,710,726	1,900,326
WELLS	14	7	9	30				
FOOTAGE 10,000 - 12,499	157,474	81,000	98,316	336,790	11,248	11,571	10,924	11,226
COSTS $	38,871,989	23,050,855	16,530,121	78,452,965	2,776,571	3,292,979	1,836,680	2,615,099
WELLS	1	6	2	9				
FOOTAGE 12,500 - 14,999	12,549	81,055	28,242	121,846	12,549	13,509	14,121	13,538
COSTS $	2,814,228	19,246,675	9,860,560	31,921,463	2,814,228	3,207,779	4,930,280	3,546,829
WELLS	--	4	1	5				
FOOTAGE 15,000 - 17,499	--	64,563	16,500	81,063	--	16,141	16,500	16,213
COSTS $	--	18,471,755	3,487,280	21,959,035	--	4,617,939	3,487,280	4,391,807
WELLS	1	--	--	1				
FOOTAGE 17,500 - 19,999	18,012	--	--	18,012	18,012	--	--	18,012
COSTS $	2,440,571	--	--	2,440,571	2,440,571	--	--	2,440,571
WELLS	--	--	--	--				
FOOTAGE 20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $	--	--	--	--	--	--	--	--
TOTAL WELLS	43	25	19	87				
TOTAL FOOTAGE	374,098	276,949	192,446	843,493	8,700	11,078	10,129	9,695
TOTAL COSTS $	86,857,516	76,136,229	38,493,637	201,487,382	2,019,942	3,045,449	2,025,981	2,315,947

Table 28

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

OFFSHORE LOUISIANA--FEDERAL WATERS

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	1	1				
FOOTAGE	0 - 1,249	--	--	1,150	1,150	--	--	1,150	1,150
COSTS $		--	--	709,856	709,856	--	--	709,856	709,856
WELLS		2	1	1	4				
FOOTAGE	1,250 - 2,499	4,359	2,300	2,095	8,754	2,180	2,300	2,095	2,189
COSTS $		1,395,000	1,557,395	1,196,211	4,148,606	697,500	1,557,395	1,196,211	1,037,152
WELLS		1	2	3	6				
FOOTAGE	2,500 - 3,749	3,272	6,729	9,100	19,101	3,272	3,365	3,033	3,184
COSTS $		1,021,000	3,713,260	1,545,401	6,279,661	1,021,000	1,856,630	515,134	1,046,610
WELLS		1	2	2	5				
FOOTAGE	3,750 - 4,999	4,968	8,862	8,568	22,398	4,968	4,431	4,284	4,480
COSTS $		1,390,512	2,412,144	1,432,827	5,235,483	1,390,512	1,206,072	716,414	1,047,097
WELLS		8	5	11	24				
FOOTAGE	5,000 - 7,499	49,363	32,093	63,843	145,299	6,170	6,419	5,804	6,054
COSTS $		17,253,705	7,550,980	13,738,157	38,542,842	2,156,713	1,510,196	1,248,923	1,605,952
WELLS		11	9	12	32				
FOOTAGE	7,500 - 9,999	96,239	78,416	107,572	282,227	8,749	8,713	8,964	8,820
COSTS $		31,081,605	18,537,498	17,512,724	67,131,827	2,825,600	2,059,722	1,459,394	2,097,870
WELLS		11	12	24	47				
FOOTAGE	10,000 - 12,499	121,732	135,867	263,225	520,824	11,067	11,322	10,968	11,081
COSTS $		37,421,650	44,151,714	40,254,874	121,828,238	3,401,968	3,679,310	1,677,286	2,592,090
WELLS		16	9	33	58				
FOOTAGE	12,500 - 14,999	217,505	120,275	448,893	786,673	13,594	13,364	13,603	13,563
COSTS $		69,004,658	31,920,592	74,309,395	175,234,645	4,312,791	3,546,732	2,251,800	3,021,287
WELLS		1	9	16	26				
FOOTAGE	15,000 - 17,499	17,390	145,041	258,147	420,578	17,390	16,116	16,134	16,176
COSTS $		2,242,900	60,147,056	75,702,385	138,092,341	2,242,900	6,683,006	4,731,399	5,311,244
WELLS		--	--	2	2				
FOOTAGE	17,500 - 19,999	--	--	35,785	35,785	--	--	17,893	17,893
COSTS $		--	--	9,939,494	9,939,494	--	--	4,969,747	4,969,747
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		51	49	105	205				
TOTAL FOOTAGE		514,828	529,583	1,198,378	2,242,789	10,095	10,808	11,413	10,940
TOTAL COSTS $		160,811,030	169,990,639	236,341,324	567,142,993	3,153,158	3,469,197	2,250,870	2,766,551

Table 29

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

MICHIGAN

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	86	11	97				
FOOTAGE	0 - 1,249	--	90,634	8,243	98,877	--	1,054	749	1,019
COSTS $		--	10,159,051	642,784	10,801,835	--	118,129	58,435	111,359
WELLS		--	559	6	565				
FOOTAGE	1,250 - 2,499	--	1,010,545	11,004	1,021,549	--	1,808	1,834	1,808
COSTS $		--	71,702,966	856,085	72,559,051	--	128,270	142,681	128,423
WELLS		3	8	12	23				
FOOTAGE	2,500 - 3,749	9,620	23,451	41,451	74,522	3,207	2,931	3,454	3,240
COSTS $		663,844	1,153,021	1,642,208	3,459,073	221,281	144,128	136,851	150,394
WELLS		10	3	17	30				
FOOTAGE	3,750 - 4,999	43,593	13,241	75,105	131,939	4,359	4,414	4,418	4,398
COSTS $		5,124,023	505,058	2,721,298	8,350,379	512,402	168,353	160,076	278,346
WELLS		9	--	19	28				
FOOTAGE	5,000 - 7,499	57,835	--	119,700	177,535	6,426	--	6,300	6,341
COSTS $		1,827,306	--	5,081,536	6,908,842	203,034	--	267,449	246,744
WELLS		--	--	3	3				
FOOTAGE	7,500 - 9,999	--	--	24,788	24,788	--	--	8,263	8,263
COSTS $		--	--	1,035,786	1,035,786	--	--	345,262	345,262
WELLS		--	4	3	7				
FOOTAGE	10,000 - 12,499	--	43,992	32,721	76,713	--	10,998	10,907	10,959
COSTS $		--	6,562,763	4,671,249	11,234,012	--	1,640,691	1,557,083	1,604,859
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		22	660	71	753				
TOTAL FOOTAGE		111,048	1,181,863	313,012	1,605,923	5,048	1,791	4,409	2,133
TOTAL COSTS $		7,615,173	90,082,859	16,650,946	114,348,978	346,144	136,489	234,520	151,858

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

Table 30

MISSISSIPPI

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	3	3				
FOOTAGE	1,250 - 2,499	--	--	6,393	6,393	--	--	2,131	2,131
COSTS $		--	--	218,312	218,312	--	--	72,771	72,771
WELLS		3	1	9	13				
FOOTAGE	2,500 - 3,749	9,286	3,400	30,638	43,324	3,095	3,400	3,404	3,333
COSTS $		217,600	194,945	679,500	1,092,045	72,533	194,945	75,500	84,003
WELLS		7	13	21	41				
FOOTAGE	3,750 - 4,999	31,477	57,964	91,145	180,586	4,497	4,459	4,340	4,405
COSTS $		889,383	3,102,150	1,995,675	5,987,208	127,055	238,627	95,032	146,029
WELLS		10	4	34	48				
FOOTAGE	5,000 - 7,499	61,057	24,279	210,973	296,309	6,106	6,070	6,205	6,173
COSTS $		1,857,998	1,283,508	3,965,549	7,107,055	185,800	320,877	116,634	148,064
WELLS		5	--	8	13				
FOOTAGE	7,500 - 9,999	42,629	--	68,054	110,683	8,526	--	8,507	8,514
COSTS $		2,072,244	--	1,601,839	3,674,083	414,449	--	200,230	282,622
WELLS		1	4	18	23				
FOOTAGE	10,000 - 12,499	10,678	47,294	206,464	264,436	10,678	11,824	11,470	11,497
COSTS $		670,683	3,533,577	8,527,428	12,731,688	670,683	883,394	473,746	553,552
WELLS		3	4	11	18				
FOOTAGE	12,500 - 14,999	38,721	54,203	149,752	242,676	12,907	13,551	13,614	13,482
COSTS $		5,729,322	5,016,815	7,240,919	17,987,056	1,909,774	1,254,204	658,265	999,281
WELLS		7	1	15	23				
FOOTAGE	15,000 - 17,499	111,889	17,105	241,884	370,878	15,984	17,105	16,126	16,125
COSTS $		11,766,610	2,644,884	18,413,323	32,824,817	1,680,944	2,644,884	1,227,555	1,427,166
WELLS		--	--	3	3				
FOOTAGE	17,500 - 19,999	--	--	55,542	55,542	--	--	18,514	18,514
COSTS $		--	--	7,474,423	7,474,423	--	--	2,491,474	2,491,474
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		36	27	122	185				
TOTAL FOOTAGE		305,737	204,245	1,060,845	1,570,827	8,493	7,565	8,695	8,491
TOTAL COSTS $		23,203,840	15,775,879	50,116,968	89,096,687	644,551	584,292	410,795	481,604

Table 31

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

MONTANA

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	34	4	38				
FOOTAGE	0 - 1,249	--	37,524	3,637	41,161	--	1,104	909	1,083
COSTS $		--	1,917,442	110,933	2,028,375	--	56,395	27,733	53,378
WELLS		8	103	32	143				
FOOTAGE	1,250 - 2,499	14,202	163,033	53,333	230,568	1,775	1,583	1,667	1,612
COSTS $		557,493	6,698,377	929,016	8,184,886	69,687	65,033	29,032	57,237
WELLS		7	7	9	23				
FOOTAGE	2,500 - 3,749	21,855	19,368	25,735	66,958	3,122	2,767	2,859	2,911
COSTS $		453,800	572,443	473,912	1,500,155	64,829	81,778	52,657	65,224
WELLS		5	5	9	19				
FOOTAGE	3,750 - 4,999	21,822	21,237	37,947	81,006	4,364	4,247	4,216	4,263
COSTS $		907,196	774,692	795,713	2,477,601	181,439	154,938	88,413	130,400
WELLS		8	--	2	10				
FOOTAGE	5,000 - 7,499	50,603	--	12,000	62,603	6,325	--	6,000	6,260
COSTS $		2,535,728	--	303,916	2,839,644	316,966	--	151,958	283,964
WELLS		2	--	6	8				
FOOTAGE	7,500 - 9,999	16,565	--	53,799	70,364	8,283	--	8,967	8,796
COSTS $		1,145,165	--	2,748,453	3,893,618	572,583	--	458,076	486,702
WELLS		3	--	3	6				
FOOTAGE	10,000 - 12,499	33,530	--	32,843	66,373	11,177	--	10,948	11,062
COSTS $		2,948,491	--	2,802,902	5,751,393	982,830	--	934,301	958,566
WELLS		1	--	1	2				
FOOTAGE	12,500 - 14,999	12,600	--	12,844	25,444	12,600	--	12,844	12,722
COSTS $		1,454,594	--	2,276,645	3,731,239	1,454,594	--	2,276,645	1,865,620
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		34	149	66	249				
TOTAL FOOTAGE		171,177	241,162	232,138	644,477	5,035	1,619	3,517	2,588
TOTAL COSTS $		10,002,467	9,962,954	10,441,490	30,406,911	294,190	66,865	158,204	122,116

Table 32

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

NEBRASKA

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		1	9	1	11				
FOOTAGE	2,500 - 3,749	3,535	32,686	3,576	39,797	3,535	3,632	3,576	3,618
COSTS $		49,111	1,353,848	41,755	1,444,714	49,111	150,428	41,755	131,338
WELLS		4	--	25	29				
FOOTAGE	3,750 - 4,999	17,715	--	116,728	134,443	4,429	--	4,669	4,636
COSTS $		283,534	--	1,390,215	1,673,749	70,884	--	55,609	57,715
WELLS		2	--	11	13				
FOOTAGE	5,000 - 7,499	11,389	--	64,462	75,851	5,695	--	5,860	5,835
COSTS $		252,992	--	977,848	1,230,840	126,496	--	88,895	94,680
WELLS		9	--	15	24				
FOOTAGE	7,500 - 9,999	75,326	--	127,742	203,068	8,370	--	8,516	8,461
COSTS $		3,390,398	--	3,962,624	7,353,022	376,711	--	264,175	306,376
WELLS		--	--	--	--				
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		16	9	52	77				
TOTAL FOOTAGE		107,965	32,686	312,508	453,159	6,748	3,632	6,010	5,885
TOTAL COSTS $		3,976,035	1,353,848	6,372,442	11,702,325	248,502	150,428	122,547	151,978

Table 33

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

NEW MEXICO - TOTAL

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		6	3	10	19				
FOOTAGE	0 - 1,249	3,707	3,511	5,813	13,031	618	1,170	581	686
COSTS $		167,663	222,775	653,153	1,043,591	27,944	74,258	65,315	54,926
WELLS		11	69	13	93				
FOOTAGE	1,250 - 2,499	24,112	132,015	27,405	183,532	2,192	1,913	2,108	1,973
COSTS $		1,362,386	9,024,374	1,342,909	11,729,669	123,853	130,788	103,301	126,125
WELLS		31	138	12	181				
FOOTAGE	2,500 - 3,749	105,521	446,722	40,490	592,733	3,404	3,237	3,374	3,275
COSTS $		6,403,919	37,249,946	2,251,563	45,905,428	206,578	269,927	187,630	253,621
WELLS		75	21	12	108				
FOOTAGE	3,750 - 4,999	309,907	85,198	52,753	447,858	4,132	4,057	4,396	4,147
COSTS $		19,062,285	5,498,309	2,491,376	27,051,970	254,164	261,824	207,615	250,481
WELLS		135	14	23	172				
FOOTAGE	5,000 - 7,499	818,294	92,494	144,839	1,055,627	6,061	6,607	6,297	6,137
COSTS $		47,035,164	8,877,027	6,893,610	62,805,801	348,409	634,073	299,722	365,150
WELLS		151	33	12	196				
FOOTAGE	7,500 - 9,999	1,262,551	266,431	107,269	1,636,251	8,361	8,074	8,939	8,348
COSTS $		83,386,057	23,865,151	7,209,424	114,460,632	552,226	723,186	600,785	583,983
WELLS		26	17	9	52				
FOOTAGE	10,000 - 12,499	297,078	192,179	101,186	590,443	11,426	11,305	11,243	11,355
COSTS $		20,772,245	14,473,681	7,743,793	42,989,719	798,933	851,393	860,421	826,725
WELLS		5	8	2	15				
FOOTAGE	12,500 - 14,999	65,506	111,092	26,265	202,863	13,101	13,887	13,133	13,524
COSTS $		5,105,359	11,768,721	2,033,530	18,907,610	1,021,072	1,471,090	1,016,765	1,260,507
WELLS		3	--	1	4				
FOOTAGE	15,000 - 17,499	46,185	--	15,175	61,360	15,395	--	15,175	15,340
COSTS $		3,623,994	--	2,170,704	5,794,698	1,207,998	--	2,170,704	1,448,675
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		443	303	94	840				
TOTAL FOOTAGE		2,932,861	1,329,642	521,195	4,783,698	6,620	4,388	5,545	5,695
TOTAL COSTS $		186,919,072	110,979,984	32,790,062	330,689,118	421,939	366,271	348,830	393,678

Table 34

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

NEW MEXICO - WEST

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		5	3	8	16				
FOOTAGE	0 - 1,249	2,864	3,511	5,313	11,688	573	1,170	664	731
COSTS $		61,482	222,775	583,023	867,280	12,296	74,258	72,878	54,205
WELLS		--	69	4	73				
FOOTAGE	1,250 - 2,499	--	132,015	8,394	140,409	--	1,913	2,099	1,923
COSTS $		--	9,024,374	502,346	9,526,720	--	130,788	125,587	130,503
WELLS		--	125	--	125				
FOOTAGE	2,500 - 3,749	--	403,629	--	403,629	--	3,229	--	3,229
COSTS $		--	34,563,349	--	34,563,349	--	276,507	--	276,507
WELLS		5	8	--	13				
FOOTAGE	3,750 - 4,999	23,076	31,823	--	54,899	4,615	3,978	--	4,223
COSTS $		1,597,618	2,266,542	--	3,864,160	319,524	283,318	--	297,243
WELLS		16	10	5	31				
FOOTAGE	5,000 - 7,499	93,152	67,676	31,101	191,929	5,822	6,768	6,220	6,191
COSTS $		5,409,877	7,454,566	1,820,121	14,684,564	338,117	745,457	364,024	473,696
WELLS		5	25	1	31				
FOOTAGE	7,500 - 9,999	39,163	194,515	8,060	241,738	7,833	7,781	8,060	7,798
COSTS $		4,933,036	19,088,843	565,232	24,587,111	986,607	763,554	565,232	793,133
WELLS		--	--	--	--				
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		31	240	18	289				
TOTAL FOOTAGE		158,255	833,169	52,868	1,044,292	5,105	3,472	2,937	3,613
TOTAL COSTS $		12,002,013	72,620,449	3,470,722	88,093,184	387,162	302,585	192,818	304,821

Table 35

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

NEW MEXICO - EAST

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS	0 - 1,249	1	--	2	3				
FOOTAGE		843	--	500	1,343	843	--	250	448
COSTS $		106,181	--	70,130	176,311	106,181	--	35,065	58,770
WELLS	1,250 - 2,499	11	--	9	20				
FOOTAGE		24,112	--	19,011	43,123	2,192	--	2,112	2,156
COSTS $		1,362,386	--	840,563	2,202,949	123,853	--	93,396	110,147
WELLS	2,500 - 3,749	31	13	12	56				
FOOTAGE		105,521	43,093	40,490	189,104	3,404	3,315	3,374	3,377
COSTS $		6,403,919	2,686,597	2,251,563	11,342,079	206,578	206,661	187,630	202,537
WELLS	3,750 - 4,999	70	13	12	95				
FOOTAGE		286,831	53,375	52,753	392,959	4,098	4,106	4,396	4,136
COSTS $		17,464,667	3,231,767	2,491,376	23,187,810	249,495	248,597	207,615	244,082
WELLS	5,000 - 7,499	119	4	18	141				
FOOTAGE		725,142	24,818	113,738	863,698	6,094	6,205	6,319	6,126
COSTS $		41,625,287	1,422,461	5,073,489	48,121,237	349,792	355,615	281,861	341,285
WELLS	7,500 - 9,999	146	8	11	165				
FOOTAGE		1,223,388	71,916	99,209	1,394,513	8,379	8,990	9,019	8,452
COSTS $		78,453,021	4,776,308	6,644,192	89,873,521	537,349	597,039	604,017	544,688
WELLS	10,000 - 12,499	26	17	9	52				
FOOTAGE		297,078	192,179	101,186	590,443	11,426	11,305	11,243	11,355
COSTS $		20,772,245	14,473,681	7,743,793	42,989,719	798,933	851,393	860,421	826,725
WELLS	12,500 - 14,999	5	8	2	15				
FOOTAGE		65,506	111,092	26,265	202,863	13,101	13,887	13,133	13,524
COSTS $		5,105,359	11,768,721	2,033,530	18,907,610	1,021,072	1,471,090	1,016,765	1,260,507
WELLS	15,000 - 17,499	3	--	1	4				
FOOTAGE		46,185	--	15,175	61,360	15,395	--	15,175	15,340
COSTS $		3,623,994	--	2,170,704	5,794,698	1,207,998	--	2,170,704	1,448,675
WELLS	17,500 - 19,999	--	--	--	--				
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS	20,000 & OVER	--	--	--	--				
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		412	63	76	551				
TOTAL FOOTAGE		2,774,606	496,473	468,327	3,739,406	6,734	7,881	6,162	6,787
TOTAL COSTS $		174,917,059	38,359,535	29,319,340	242,595,934	424,556	608,882	385,781	440,283

Table 36

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

NORTH DAKOTA

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		2	--	5	7				
FOOTAGE	2,500 - 3,749	7,300	--	17,108	24,408	3,650	--	3,422	3,487
COSTS $		318,071	--	533,629	851,700	159,036	--	106,726	121,671
WELLS		7	--	10	17				
FOOTAGE	3,750 - 4,999	31,455	--	45,110	76,565	4,494	--	4,511	4,504
COSTS $		1,495,485	--	957,578	2,453,063	213,641	--	95,758	144,298
WELLS		9	--	28	37				
FOOTAGE	5,000 - 7,499	60,363	--	168,192	228,555	6,707	--	6,007	6,177
COSTS $		2,952,086	--	3,739,789	6,691,875	328,010	--	133,564	180,861
WELLS		40	--	19	59				
FOOTAGE	7,500 - 9,999	354,048	--	167,540	521,588	8,851	--	8,818	8,840
COSTS $		21,379,023	--	5,435,579	26,814,602	534,476	--	286,083	454,485
WELLS		11	--	4	15				
FOOTAGE	10,000 - 12,499	123,751	--	45,820	169,571	11,250	--	11,455	11,305
COSTS $		11,931,639	--	2,427,591	14,359,230	1,084,695	--	606,898	957,282
WELLS		37	1	--	38				
FOOTAGE	12,500 - 14,999	491,831	14,503	--	506,334	13,293	14,503	--	13,325
COSTS $		41,277,764	1,071,473	--	42,349,237	1,115,615	1,071,473	--	1,114,454
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		106	1	66	173				
TOTAL FOOTAGE		1,068,748	14,503	443,770	1,527,021	10,083	14,503	6,724	8,827
TOTAL COSTS $		79,354,068	1,071,473	13,094,166	93,519,707	748,623	1,071,473	198,396	540,576

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

Table 37

OKLAHOMA

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
	WELLS	64	35	37	136				
0 - 1,249	FOOTAGE	57,505	27,983	29,468	114,956	899	800	796	845
	COSTS $	2,032,734	948,882	957,038	3,938,654	31,761	27,111	25,866	28,961
	WELLS	157	63	91	311				
1,250 - 2,499	FOOTAGE	296,132	118,507	171,829	586,468	1,886	1,881	1,888	1,886
	COSTS $	9,600,292	3,611,431	4,254,230	17,465,953	61,148	57,324	46,750	56,161
	WELLS	126	60	124	310				
2,500 - 3,749	FOOTAGE	397,125	186,809	384,484	968,418	3,152	3,113	3,101	3,124
	COSTS $	15,441,352	6,732,871	8,601,087	30,775,310	122,550	112,215	69,364	99,275
	WELLS	133	24	81	238				
3,750 - 4,999	FOOTAGE	576,943	106,792	358,695	1,042,630	4,338	4,450	4,431	4,381
	COSTS $	23,203,850	3,699,609	8,167,286	35,070,745	174,465	154,150	100,831	147,356
	WELLS	125	113	156	394				
5,000 - 7,499	FOOTAGE	771,904	712,872	969,358	2,454,134	6,175	6,309	6,214	6,229
	COSTS $	39,212,717	31,875,470	28,543,865	99,632,052	313,702	282,084	182,974	252,873
	WELLS	66	114	58	238				
7,500 - 9,999	FOOTAGE	578,358	979,684	497,891	2,055,933	8,763	8,594	8,584	8,638
	COSTS $	36,649,491	60,243,416	21,536,795	118,429,702	555,295	528,451	371,324	497,604
	WELLS	37	71	18	126				
10,000 - 12,499	FOOTAGE	412,557	815,663	198,617	1,426,837	11,150	11,488	11,034	11,324
	COSTS $	35,133,112	62,935,327	11,991,302	110,059,741	949,544	886,413	666,183	873,490
	WELLS	10	71	21	102				
12,500 - 14,999	FOOTAGE	135,135	945,757	285,435	1,366,327	13,514	13,321	13,592	13,395
	COSTS $	13,296,323	81,987,444	23,567,481	118,851,248	1,329,632	1,154,753	1,122,261	1,165,208
	WELLS	--	17	6	23				
15,000 - 17,499	FOOTAGE	--	271,235	97,413	368,648	--	15,955	16,236	16,028
	COSTS $	--	46,803,042	12,593,461	59,396,503	--	2,753,120	2,098,910	2,582,457
	WELLS	1	5	7	13				
17,500 - 19,999	FOOTAGE	17,500	89,162	126,123	232,785	17,500	17,832	18,018	17,907
	COSTS $	1,916,237	15,684,715	15,790,389	33,391,341	1,916,237	3,136,943	2,255,770	2,568,565
	WELLS	--	3	1	4				
20,000 & OVER	FOOTAGE	--	69,175	22,600	91,775	--	23,058	22,600	22,944
	COSTS $	--	25,195,051	3,541,194	28,736,245	--	8,398,350	3,541,194	7,184,062
TOTAL WELLS		719	576	600	1,895				
TOTAL FOOTAGE		3,243,159	4,323,639	3,142,113	10,708,911	4,511	7,506	5,237	5,651
TOTAL COSTS $		176,486,108	339,717,258	139,544,128	655,747,494	245,461	589,787	232,574	346,041

Table 38

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - TOTAL

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		242	30	131	403				
FOOTAGE	0 - 1,249	193,603	25,226	104,203	323,032	800	841	795	802
COSTS $		6,329,845	401,608	2,765,455	9,496,908	26,156	13,387	21,110	23,566
WELLS		401	28	301	730				
FOOTAGE	1,250 - 2,499	771,755	54,862	573,910	1,400,527	1,925	1,959	1,907	1,919
COSTS $		23,823,083	1,831,992	14,150,198	39,805,273	59,409	65,428	47,011	54,528
WELLS		369	61	248	678				
FOOTAGE	2,500 - 3,749	1,135,726	195,401	775,846	2,106,973	3,078	3,203	3,128	3,108
COSTS $		49,029,804	8,870,826	18,920,659	76,821,289	132,872	145,423	76,293	113,306
WELLS		426	89	291	806				
FOOTAGE	3,750 - 4,999	1,911,568	387,975	1,272,964	3,572,507	4,487	4,359	4,374	4,432
COSTS $		72,638,416	12,396,653	32,741,832	117,776,901	170,513	139,288	112,515	146,125
WELLS		653	398	451	1,502				
FOOTAGE	5,000 - 7,499	4,045,346	2,587,354	2,754,459	9,387,159	6,195	6,501	6,107	6,250
COSTS $		174,075,719	115,756,198	92,982,937	382,814,854	266,578	290,845	206,171	254,870
WELLS		1,034	532	393	1,959				
FOOTAGE	7,500 - 9,999	8,714,737	4,696,926	3,385,826	16,797,489	8,428	8,829	8,615	8,575
COSTS $		439,372,308	355,745,814	192,866,370	987,984,492	424,925	668,695	490,754	504,331
WELLS		305	354	154	813				
FOOTAGE	10,000 - 12,499	3,464,378	3,820,145	1,706,815	8,991,338	11,359	10,791	11,083	11,059
COSTS $		286,068,133	358,483,627	141,046,141	785,597,901	937,928	1,012,666	915,884	966,295
WELLS		237	84	60	381				
FOOTAGE	12,500 - 14,999	3,155,013	1,154,429	804,613	5,114,055	13,312	13,743	13,410	13,423
COSTS $		288,145,561	152,586,892	82,750,644	523,483,097	1,215,804	1,816,511	1,379,177	1,373,971
WELLS		3	13	12	28				
FOOTAGE	15,000 - 17,499	47,007	205,230	189,895	442,132	15,669	15,787	15,825	15,790
COSTS $		3,178,846	27,262,141	43,993,501	74,434,488	1,059,615	2,097,088	3,666,125	2,658,375
WELLS		--	3	6	9				
FOOTAGE	17,500 - 19,999	--	55,686	113,887	169,573	--	18,562	18,981	18,841
COSTS $		--	16,052,802	25,593,386	41,646,188	--	5,350,934	4,265,565	4,627,354
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		3,670	1,592	2,047	7,309				
TOTAL FOOTAGE		23,439,133	13,183,234	11,682,418	48,304,785	6,387	8,281	5,707	6,609
TOTAL COSTS $		1,342,661,715	1,049,388,553	647,811,123	3,039,861,391	365,848	659,164	316,469	415,907

Table 39

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - DISTRICT 1

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		33	1	19	53				
FOOTAGE	0 - 1,249	31,897	1,121	16,543	49,561	967	1,121	871	935
COSTS $		884,103	25,680	422,324	1,332,107	26,791	25,680	22,228	25,134
WELLS		85	4	68	157				
FOOTAGE	1,250 - 2,499	186,215	7,720	134,021	327,956	2,191	1,930	1,971	2,089
COSTS $		5,678,662	241,598	3,203,243	9,123,503	66,808	60,400	47,107	58,111
WELLS		19	6	40	65				
FOOTAGE	2,500 - 3,749	56,891	19,113	122,939	198,943	2,994	3,186	3,073	3,061
COSTS $		2,181,743	882,738	3,513,466	6,577,947	114,829	147,123	87,837	101,199
WELLS		16	11	26	53				
FOOTAGE	3,750 - 4,999	68,963	45,988	114,664	229,615	4,310	4,181	4,410	4,332
COSTS $		3,967,485	2,281,167	5,080,523	11,329,175	247,968	207,379	195,405	213,758
WELLS		26	5	63	94				
FOOTAGE	5,000 - 7,499	159,728	27,535	404,092	591,355	6,143	5,507	6,414	6,291
COSTS $		7,974,042	1,279,808	22,239,872	31,493,722	306,694	255,962	353,014	335,040
WELLS		75	6	59	140				
FOOTAGE	7,500 - 9,999	675,494	55,644	508,182	1,239,320	9,007	9,274	8,613	8,852
COSTS $		42,862,009	2,520,373	39,134,406	84,516,788	571,493	420,062	663,295	603,691
WELLS		28	3	29	60				
FOOTAGE	10,000 - 12,499	307,329	32,700	313,813	653,842	10,976	10,900	10,821	10,897
COSTS $		22,021,910	2,911,904	29,565,610	54,499,424	786,497	970,635	1,019,504	908,324
WELLS		8	1	1	10				
FOOTAGE	12,500 - 14,999	103,047	12,500	14,281	129,828	12,881	12,500	14,281	12,983
COSTS $		7,104,043	803,690	1,401,645	9,309,378	888,005	803,690	1,401,645	930,938
WELLS		2	--	--	2				
FOOTAGE	15,000 - 17,499	31,584	--	--	31,584	15,792	--	--	15,792
COSTS $		2,648,633	--	--	2,648,633	1,324,317	--	--	1,324,317
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		292	37	305	634				
TOTAL FOOTAGE		1,621,148	202,321	1,628,535	3,452,004	5,552	5,468	5,339	5,445
TOTAL COSTS $		95,322,630	10,946,958	104,561,089	210,830,677	326,447	295,864	342,823	332,541

Table 40

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - DISTRICT 2

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	1	1				
FOOTAGE	0 - 1,249	--	--	1,050	1,050	--	--	1,050	1,050
COSTS $		--	--	48,847	48,847	--	--	48,847	48,847
WELLS		2	2	5	9				
FOOTAGE	1,250 - 2,499	4,677	3,492	9,759	17,928	2,339	1,746	1,952	1,992
COSTS $		291,106	108,921	267,024	667,051	145,553	54,461	53,405	74,117
WELLS		12	20	38	70				
FOOTAGE	2,500 - 3,749	39,063	65,215	123,642	227,920	3,255	3,261	3,254	3,256
COSTS $		1,691,474	1,931,264	2,357,165	5,979,903	140,956	96,563	62,031	85,427
WELLS		15	18	23	56				
FOOTAGE	3,750 - 4,999	60,120	77,493	95,917	233,530	4,008	4,305	4,170	4,170
COSTS $		1,669,577	2,276,517	1,960,788	5,906,882	111,305	126,473	85,252	105,480
WELLS		15	34	39	88				
FOOTAGE	5,000 - 7,499	92,261	206,892	234,028	533,181	6,151	6,085	6,001	6,059
COSTS $		3,053,498	8,656,030	5,669,423	17,378,951	203,567	254,589	145,370	197,488
WELLS		3	20	27	50				
FOOTAGE	7,500 - 9,999	25,792	171,484	232,917	430,193	8,597	8,574	8,627	8,604
COSTS $		885,871	10,463,748	9,340,105	20,689,724	295,290	523,187	345,930	413,794
WELLS		4	3	11	18				
FOOTAGE	10,000 - 12,499	44,280	32,502	121,435	198,217	11,070	10,834	11,040	11,012
COSTS $		4,948,680	2,529,690	9,195,018	16,673,388	1,237,170	843,230	835,911	926,299
WELLS		--	11	2	13				
FOOTAGE	12,500 - 14,999	--	148,965	26,950	175,915	--	13,542	13,475	13,532
COSTS $		--	18,794,755	3,376,460	22,171,215	--	1,708,614	1,688,230	1,705,478
WELLS		--	--	3	3				
FOOTAGE	15,000 - 17,499	--	--	49,000	49,000	--	--	16,333	16,333
COSTS $		--	--	14,099,961	14,099,961	--	--	4,699,987	4,699,987
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		51	108	149	308				
TOTAL FOOTAGE		266,193	706,043	894,698	1,866,934	5,219	6,537	6,005	6,061
TOTAL COSTS $		12,540,206	44,760,925	46,314,791	103,615,922	245,886	414,453	310,838	336,415

Table 41

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - DISTRICT 3

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
	WELLS	11	--	6	17				
0 - 1,249	FOOTAGE	11,114	--	4,721	15,835	1,010	--	787	931
	COSTS $	455,151	--	212,868	668,019	41,377	--	35,478	39,295
	WELLS	8	1	7	16				
1,250 - 2,499	FOOTAGE	15,138	2,250	13,689	31,077	1,892	2,250	1,956	1,942
	COSTS $	547,298	71,348	322,449	941,095	68,412	71,348	46,064	58,818
	WELLS	7	2	8	17				
2,500 - 3,749	FOOTAGE	21,803	5,660	25,333	52,796	3,115	2,830	3,167	3,106
	COSTS $	722,935	221,861	1,309,746	2,254,542	103,276	110,931	163,718	132,620
	WELLS	15	6	16	37				
3,750 - 4,999	FOOTAGE	63,280	27,323	71,516	162,119	4,219	4,554	4,470	4,382
	COSTS $	3,205,615	906,109	3,503,397	7,615,121	213,708	151,018	218,962	205,814
	WELLS	25	16	32	73				
5,000 - 7,499	FOOTAGE	152,159	96,505	194,616	443,280	6,086	6,032	6,082	6,072
	COSTS $	7,694,730	4,854,348	6,317,178	18,866,256	307,789	303,397	197,412	258,442
	WELLS	51	30	63	144				
7,500 - 9,999	FOOTAGE	458,005	263,329	550,068	1,271,402	8,980	8,778	8,731	8,829
	COSTS $	30,207,296	18,892,319	29,957,999	79,057,614	592,300	629,744	475,524	549,011
	WELLS	211	23	53	287				
10,000 - 12,499	FOOTAGE	2,431,012	265,455	590,848	3,287,315	11,521	11,542	11,148	11,454
	COSTS $	209,050,389	26,084,111	46,146,399	281,280,899	990,760	1,134,092	870,687	980,073
	WELLS	207	34	33	274				
12,500 - 14,999	FOOTAGE	2,763,486	473,274	447,618	3,684,378	13,350	13,920	13,564	13,447
	COSTS $	256,591,580	58,233,591	42,039,415	356,864,586	1,239,573	1,712,753	1,273,922	1,302,426
	WELLS	--	7	5	12				
15,000 - 17,499	FOOTAGE	--	108,495	77,667	186,162	--	15,499	15,533	15,514
	COSTS $	--	12,404,197	8,829,842	21,234,039	--	1,772,028	1,765,968	1,769,503
	WELLS	--	1	2	3				
17,500 - 19,999	FOOTAGE	--	17,700	38,606	56,306	--	17,700	19,303	18,769
	COSTS $	--	7,057,277	5,300,905	12,358,182	--	7,057,277	2,650,453	4,119,394
	WELLS	--	--	--	--				
20,000 & OVER	FOOTAGE	--	--	--	--	--	--	--	--
	COSTS $	--	--	--	--	--	--	--	--
	TOTAL WELLS	535	120	225	880				
	TOTAL FOOTAGE	5,915,997	1,259,991	2,014,682	9,190,670	11,058	10,500	8,954	10,444
	TOTAL COSTS $	508,474,994	128,725,161	143,940,198	781,140,353	950,421	1,072,710	639,734	887,660

Table 42

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - DISTRICT 4

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	1	1				
FOOTAGE	0 - 1,249	--	--	1,100	1,100	--	--	1,100	1,100
COSTS $		--	--	12,896	12,896	--	--	12,896	12,896
WELLS		18	2	15	35				
FOOTAGE	1,250 - 2,499	31,772	4,413	28,591	64,776	1,765	2,207	1,906	1,851
COSTS $		1,250,482	97,170	393,214	1,740,866	69,471	48,585	26,214	49,739
WELLS		6	4	12	22				
FOOTAGE	2,500 - 3,749	17,524	11,186	34,445	63,155	2,921	2,797	2,870	2,871
COSTS $		677,238	254,009	481,775	1,413,022	112,873	63,502	40,148	64,228
WELLS		3	9	7	19				
FOOTAGE	3,750 - 4,999	13,443	39,401	29,635	82,479	4,481	4,378	4,234	4,341
COSTS $		445,652	1,145,282	494,470	2,085,404	148,551	127,254	70,639	109,758
WELLS		28	75	66	169				
FOOTAGE	5,000 - 7,499	170,989	509,364	403,525	1,083,878	6,107	6,792	6,114	6,413
COSTS $		4,981,284	24,051,619	10,205,691	39,238,594	177,903	320,688	154,632	232,181
WELLS		8	177	88	273				
FOOTAGE	7,500 - 9,999	65,925	1,554,285	768,959	2,389,169	8,241	8,781	8,738	8,752
COSTS $		3,175,699	108,463,499	40,941,507	152,580,705	396,962	612,788	465,244	558,904
WELLS		1	100	21	122				
FOOTAGE	10,000 - 12,499	10,250	1,076,886	228,168	1,315,304	10,250	10,769	10,865	10,781
COSTS $		1,050,470	106,341,468	20,908,499	128,300,437	1,050,470	1,063,415	995,643	1,051,643
WELLS		--	21	8	29				
FOOTAGE	12,500 - 14,999	--	292,734	104,847	397,581	--	13,940	13,106	13,710
COSTS $		--	44,295,256	17,193,803	61,489,059	--	2,109,298	2,149,226	2,120,313
WELLS		--	5	2	7				
FOOTAGE	15,000 - 17,499	--	81,675	32,475	114,150	--	16,335	16,238	16,307
COSTS $		--	13,920,155	8,175,190	22,095,345	--	2,784,031	4,087,595	3,156,478
WELLS		--	1	3	4				
FOOTAGE	17,500 - 19,999	--	18,446	56,643	75,089	--	18,446	18,881	18,772
COSTS $		--	5,571,140	14,477,484	20,048,624	--	5,571,140	4,825,828	5,012,156
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		64	394	223	681				
TOTAL FOOTAGE		309,903	3,588,390	1,688,388	5,586,681	4,842	9,108	7,571	8,204
TOTAL COSTS $		11,580,825	304,139,598	113,284,529	429,004,952	180,950	771,928	508,002	629,963

Table 43

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - DISTRICT 5

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		9	1	6	16				
FOOTAGE	0 - 1,249	7,228	1,101	5,434	13,763	803	1,101	906	860
COSTS $		236,837	10,548	185,846	433,231	26,315	10,548	30,974	27,077
WELLS		16	--	1	17				
FOOTAGE	1,250 - 2,499	35,593	--	1,996	37,589	2,225	--	1,996	2,211
COSTS $		2,898,645	--	48,370	2,947,015	181,165	--	48,370	173,354
WELLS		11	--	13	24				
FOOTAGE	2,500 - 3,749	33,064	--	42,906	75,970	3,006	--	3,300	3,165
COSTS $		1,693,243	--	1,036,193	2,729,436	153,931	--	79,707	113,727
WELLS		4	--	5	9				
FOOTAGE	3,750 - 4,999	18,196	--	21,689	39,885	4,549	--	4,338	4,432
COSTS $		1,507,512	--	458,378	1,965,890	376,878	--	91,676	218,432
WELLS		8	2	15	25				
FOOTAGE	5,000 - 7,499	47,472	11,591	90,817	149,880	5,934	5,796	6,054	5,995
COSTS $		1,456,543	443,400	2,308,943	4,208,886	182,068	221,700	153,930	168,355
WELLS		5	8	15	28				
FOOTAGE	7,500 - 9,999	46,166	72,376	135,242	253,784	9,233	9,047	9,016	9,064
COSTS $		3,799,374	4,196,581	5,574,013	13,569,968	759,875	524,573	371,601	484,642
WELLS		10	29	5	44				
FOOTAGE	10,000 - 12,499	105,694	320,274	55,840	481,808	10,569	11,044	11,168	10,950
COSTS $		6,456,659	28,332,738	2,960,308	37,749,705	645,666	976,991	592,062	857,948
WELLS		--	10	--	10				
FOOTAGE	12,500 - 14,999	--	132,794	--	132,794	--	13,279	--	13,279
COSTS $		--	7,693,795	--	7,693,795	--	769,380	--	769,380
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		63	50	60	173				
TOTAL FOOTAGE		293,413	538,136	353,924	1,185,473	4,657	10,763	5,899	6,852
TOTAL COSTS $		18,048,813	40,677,062	12,572,051	71,297,926	286,489	813,541	209,534	412,127

Table 44

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - DISTRICT 6

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
	WELLS	20	--	2	22				
0 - 1,249	FOOTAGE	13,095	--	1,571	14,666	655	--	786	667
	COSTS $	754,730	--	28,293	783,023	37,737	--	14,147	35,592
	WELLS	1	1	7	9				
1,250 - 2,499	FOOTAGE	2,038	2,303	12,823	17,164	2,038	2,303	1,832	1,907
	COSTS $	68,222	138,439	427,480	634,141	68,222	138,439	61,069	70,460
	WELLS	3	--	5	8				
2,500 - 3,749	FOOTAGE	10,750	--	17,011	27,761	3,583	--	3,402	3,470
	COSTS $	362,410	--	468,757	831,167	120,803	--	93,751	103,896
	WELLS	9	2	11	22				
3,750 - 4,999	FOOTAGE	36,564	9,093	49,754	95,411	4,063	4,547	4,523	4,337
	COSTS $	1,349,160	390,796	1,397,151	3,137,107	149,907	195,398	127,014	142,596
	WELLS	28	21	40	89				
5,000 - 7,499	FOOTAGE	180,125	136,422	246,866	563,413	6,433	6,496	6,172	6,330
	COSTS $	9,015,460	7,806,369	7,248,968	24,070,797	321,981	371,732	181,224	270,458
	WELLS	32	138	25	195				
7,500 - 9,999	FOOTAGE	266,351	1,309,622	201,309	1,777,282	8,323	9,490	8,052	9,114
	COSTS $	19,704,500	126,233,230	7,038,706	152,976,436	615,766	914,734	281,548	784,495
	WELLS	10	178	4	192				
10,000 - 12,499	FOOTAGE	114,834	1,900,563	47,419	2,062,816	11,483	10,677	11,855	10,744
	COSTS $	12,675,785	166,330,500	4,885,492	183,891,777	1,267,579	934,441	1,221,373	957,770
	WELLS	2	--	5	7				
12,500 - 14,999	FOOTAGE	26,610	--	67,995	94,605	13,305	--	13,599	13,515
	COSTS $	2,792,726	--	8,153,139	10,945,865	1,396,363	--	1,630,628	1,563,695
	WELLS	1	--	--	1				
15,000 - 17,499	FOOTAGE	15,423	--	--	15,423	15,423	--	--	15,423
	COSTS $	530,213	--	--	530,213	530,213	--	--	530,213
	WELLS	--	--	--	--				
17,500 - 19,999	FOOTAGE	--	--	--	--	--	--	--	--
	COSTS $	--	--	--	--	--	--	--	--
	WELLS	--	--	--	--				
20,000 & OVER	FOOTAGE	--	--	--	--	--	--	--	--
	COSTS $	--	--	--	--	--	--	--	--
TOTAL WELLS		106	340	99	545				
TOTAL FOOTAGE		665,790	3,358,003	644,748	4,668,541	6,281	9,876	6,513	8,566
TOTAL COSTS $		47,253,206	300,899,334	29,647,986	377,800,526	445,785	884,998	299,475	693,212

Table 45

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - DISTRICT 7B

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		67	27	42	136				
FOOTAGE	0 - 1,249	48,073	21,979	36,295	106,347	718	814	864	782
COSTS $		1,576,523	338,624	641,988	2,557,135	23,530	12,542	15,285	18,802
WELLS		58	15	64	137				
FOOTAGE	1,250 - 2,499	99,509	28,488	117,660	245,657	1,716	1,899	1,838	1,793
COSTS $		2,300,526	718,951	1,756,237	4,775,714	39,664	47,930	27,441	34,859
WELLS		65	10	63	138				
FOOTAGE	2,500 - 3,749	195,636	30,212	189,503	415,351	3,010	3,021	3,008	3,010
COSTS $		4,832,649	631,751	3,659,963	9,124,363	74,348	63,175	58,095	66,119
WELLS		79	33	83	195				
FOOTAGE	3,750 - 4,999	354,867	144,430	361,352	860,649	4,492	4,377	4,354	4,414
COSTS $		10,238,195	4,119,284	7,255,569	21,613,048	129,597	124,827	87,416	110,836
WELLS		53	3	43	99				
FOOTAGE	5,000 - 7,499	305,018	17,033	244,869	566,920	5,755	5,678	5,695	5,726
COSTS $		9,957,664	748,264	5,185,758	15,891,686	187,880	249,421	120,599	160,522
WELLS		--	--	1	1				
FOOTAGE	7,500 - 9,999	--	--	8,200	8,200	--	--	8,200	8,200
COSTS $		--	--	251,832	251,832	--	--	251,832	251,832
WELLS		--	--	--	--				
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		322	88	296	706				
TOTAL FOOTAGE		1,003,103	242,142	957,879	2,203,124	3,115	2,752	3,236	3,121
TOTAL COSTS $		28,905,557	6,556,874	18,751,347	54,213,778	89,769	74,510	63,349	76,790

Table 46

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - DISTRICT 7C

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		7	--	6	13				
FOOTAGE	0 - 1,249	6,404	--	5,285	11,689	915	--	881	899
COSTS $		260,545	--	133,945	394,490	37,221	--	22,324	30,345
WELLS		20	--	46	66				
FOOTAGE	1,250 - 2,499	41,004	--	95,548	136,552	2,050	--	2,077	2,069
COSTS $		1,990,800	--	2,288,509	4,279,309	99,540	--	49,750	64,838
WELLS		76	4	26	106				
FOOTAGE	2,500 - 3,749	224,105	13,924	94,234	322,263	2,949	3,481	3,240	3,040
COSTS $		11,911,502	398,999	1,827,402	14,137,903	156,730	99,750	70,285	133,376
WELLS		25	6	40	71				
FOOTAGE	3,750 - 4,999	105,244	25,779	173,763	304,786	4,210	4,297	4,344	4,293
COSTS $		3,827,938	683,300	4,331,227	8,842,465	153,118	113,883	108,281	124,542
WELLS		61	153	32	246				
FOOTAGE	5,000 - 7,499	390,014	1,013,112	202,717	1,605,843	6,394	6,622	6,335	6,528
COSTS $		16,679,186	36,355,157	6,496,185	59,530,528	273,429	237,615	203,006	241,994
WELLS		237	76	16	329				
FOOTAGE	7,500 - 9,999	1,936,305	647,563	135,613	2,719,481	8,170	8,521	8,476	8,266
COSTS $		82,593,273	26,380,318	7,754,523	116,728,114	348,495	347,109	484,658	354,797
WELLS		8	3	3	14				
FOOTAGE	10,000 - 12,499	84,802	31,916	31,194	147,912	10,600	10,639	10,398	10,565
COSTS $		3,756,243	2,816,927	1,685,431	8,258,601	469,530	938,976	561,810	589,900
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	1	1				
FOOTAGE	17,500 - 19,999	--	--	18,638	18,638	--	--	18,638	18,638
COSTS $		--	--	5,814,997	5,814,997	--	--	5,814,997	5,814,997
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		434	242	170	846				
TOTAL FOOTAGE		2,787,878	1,732,294	746,992	5,267,164	6,424	7,158	4,394	6,226
TOTAL COSTS $		121,019,487	66,634,701	30,332,219	217,986,407	278,847	275,350	178,425	257,667

Table 47

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - DISTRICT 8

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		14	--	10	24				
FOOTAGE	0 - 1,249	11,992	--	6,294	18,286	857	--	629	762
COSTS $		547,428	--	638,530	1,185,958	39,102	--	63,853	49,415
WELLS		7	--	26	33				
FOOTAGE	1,250 - 2,499	11,371	--	45,773	57,144	1,624	--	1,761	1,732
COSTS $		855,847	--	3,834,861	4,690,708	122,264	--	147,495	142,143
WELLS		67	--	7	74				
FOOTAGE	2,500 - 3,749	210,545	--	22,991	233,536	3,142	--	3,284	3,156
COSTS $		12,200,141	--	1,099,768	13,299,909	182,092	--	157,110	179,729
WELLS		129	--	10	139				
FOOTAGE	3,750 - 4,999	597,074	--	43,583	640,657	4,628	--	4,358	4,609
COSTS $		26,876,502	--	1,924,419	28,800,921	208,345	--	192,442	207,201
WELLS		98	8	12	118				
FOOTAGE	5,000 - 7,499	624,667	55,807	70,224	750,698	6,374	6,976	5,852	6,362
COSTS $		28,856,539	3,318,388	2,726,341	34,901,268	294,454	414,799	227,195	295,773
WELLS		538	22	19	579				
FOOTAGE	7,500 - 9,999	4,544,316	174,609	159,659	4,878,584	8,447	7,937	8,403	8,426
COSTS $		210,966,905	7,673,392	6,564,565	225,204,862	392,132	348,791	345,503	388,955
WELLS		23	--	11	34				
FOOTAGE	10,000 - 12,499	253,762	--	123,325	377,087	11,033	--	11,211	11,091
COSTS $		13,939,944	--	6,316,446	20,256,390	606,085	--	574,222	595,776
WELLS		17	1	6	24				
FOOTAGE	12,500 - 14,999	222,399	13,035	77,182	312,616	13,082	13,035	12,864	13,026
COSTS $		18,540,793	1,222,029	5,001,890	24,764,712	1,090,635	1,222,029	833,648	1,031,863
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	1	--	1				
FOOTAGE	17,500 - 19,999	--	19,540	--	19,540	--	19,540	--	19,540
COSTS $		--	3,424,385	--	3,424,385	--	3,424,385	--	3,424,385
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		893	32	101	1,026				
TOTAL FOOTAGE		6,476,126	262,991	549,031	7,288,148	7,252	8,218	5,436	7,103
TOTAL COSTS $		312,784,099	15,638,194	28,106,820	356,529,113	350,262	488,694	278,285	347,494

Table 48

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - DISTRICT 8A

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	2	2				
FOOTAGE	0 - 1,249	--	--	1,194	1,194	--	--	597	597
COSTS $		--	--	62,606	62,606	--	--	31,303	31,303
WELLS		4	--	2	6				
FOOTAGE	1,250 - 2,499	8,279	--	3,998	12,277	2,070	--	1,999	2,046
COSTS $		314,581	--	106,412	420,993	78,645	--	53,206	70,166
WELLS		21	--	7	28				
FOOTAGE	2,500 - 3,749	67,392	--	23,127	90,519	3,209	--	3,304	3,233
COSTS $		2,366,107	--	732,093	3,098,200	112,672	--	104,585	110,650
WELLS		76	--	33	109				
FOOTAGE	3,750 - 4,999	351,457	--	142,476	493,933	4,624	--	4,317	4,531
COSTS $		12,661,923	--	3,345,704	16,007,627	166,604	--	101,385	146,859
WELLS		233	--	47	280				
FOOTAGE	5,000 - 7,499	1,461,063	--	283,706	1,744,769	6,271	--	6,036	6,231
COSTS $		66,152,264	--	8,824,890	74,977,154	283,915	--	187,764	267,776
WELLS		46	--	19	65				
FOOTAGE	7,500 - 9,999	369,444	--	162,865	532,309	8,031	--	8,572	8,189
COSTS $		19,163,738	--	6,565,129	25,728,867	416,603	--	345,533	395,829
WELLS		5	--	9	14				
FOOTAGE	10,000 - 12,499	57,615	--	102,119	159,734	11,523	--	11,347	11,410
COSTS $		4,045,752	--	6,382,765	10,428,517	809,150	--	709,196	744,894
WELLS		3	--	4	7				
FOOTAGE	12,500 - 14,999	39,471	--	52,640	92,111	13,157	--	13,160	13,159
COSTS $		3,116,419	--	2,265,183	5,381,602	1,038,806	--	566,296	768,800
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		388	--	123	511				
TOTAL FOOTAGE		2,354,721	--	772,125	3,126,846	6,069	--	6,277	6,119
TOTAL COSTS $		107,820,784	--	28,284,782	136,105,566	277,889	--	229,958	266,351

Table 49

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - DISTRICT 9

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS	0 - 1,249	81	1	34	116				
FOOTAGE		63,800	1,025	23,656	88,481	788	1,025	696	763
COSTS $		1,614,528	26,756	331,021	1,972,305	19,932	26,756	9,736	17,003
WELLS	1,250 - 2,499	175	--	56	231				
FOOTAGE		319,767	--	102,825	422,592	1,827	--	1,836	1,829
COSTS $		6,744,197	--	1,259,779	8,003,976	38,538	--	22,496	34,649
WELLS	2,500 - 3,749	17	1	18	36				
FOOTAGE		54,111	2,825	55,519	112,455	3,183	2,825	3,084	3,124
COSTS $		1,390,324	61,559	836,242	2,288,125	81,784	61,559	46,458	63,559
WELLS	3,750 - 4,999	52	4	37	93				
FOOTAGE		229,997	18,468	168,615	417,080	4,423	4,617	4,557	4,485
COSTS $		6,388,539	594,198	2,990,206	9,972,943	122,857	148,550	80,816	107,236
WELLS	5,000 - 7,499	65	59	39	163				
FOOTAGE		373,202	375,339	232,990	981,531	5,742	6,362	5,974	6,022
COSTS $		13,882,289	20,397,743	4,992,398	39,272,430	213,574	345,724	128,010	240,935
WELLS	7,500 - 9,999	19	9	20	48				
FOOTAGE		156,501	71,650	172,129	400,280	8,237	7,961	8,606	8,339
COSTS $		7,026,487	6,049,637	4,222,763	17,298,887	369,815	672,182	211,138	360,393
WELLS	10,000 - 12,499	--	1	--	1				
FOOTAGE		--	10,000	--	10,000	--	10,000	--	10,000
COSTS $		--	2,049,459	--	2,049,459	--	2,049,459	--	2,049,459
WELLS	12,500 - 14,999	--	--	--	--				
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS	15,000 - 17,499	--	--	--	--				
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS	17,500 - 19,999	--	--	--	--				
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS	20,000 & OVER	--	--	--	--				
FOOTAGE		--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		409	75	204	688				
TOTAL FOOTAGE		1,197,378	479,307	755,734	2,432,419	2,928	6,391	3,705	3,535
TOTAL COSTS $		37,046,364	29,179,352	14,632,409	80,858,125	90,578	389,058	71,727	117,526

Table 50

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - DISTRICT 10

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	2	2				
FOOTAGE	0 - 1,249	--	--	1,060	1,060	--	--	530	530
COSTS $		--	--	46,291	46,291	--	--	23,146	23,146
WELLS		7	3	4	14				
FOOTAGE	1,250 - 2,499	16,392	6,196	7,227	29,815	2,342	2,065	1,807	2,130
COSTS $		882,717	455,565	242,620	1,580,902	126,102	151,855	60,655	112,922
WELLS		65	13	11	89				
FOOTAGE	2,500 - 3,749	204,842	43,666	34,196	282,704	3,151	3,359	3,109	3,176
COSTS $		9,000,038	2,642,218	1,598,089	13,240,345	138,462	203,248	145,281	148,768
WELLS		3	--	--	3				
FOOTAGE	3,750 - 4,999	12,363	--	--	12,363	4,121	--	--	4,121
COSTS $		500,318	--	--	500,318	166,773	--	--	166,773
WELLS		13	21	16	50				
FOOTAGE	5,000 - 7,499	88,648	130,364	100,769	319,781	6,819	6,208	6,298	6,396
COSTS $		4,372,220	5,831,955	2,600,173	12,804,348	336,325	277,712	162,511	256,087
WELLS		15	34	19	68				
FOOTAGE	7,500 - 9,999	125,127	274,593	159,788	559,508	8,342	8,076	8,410	8,228
COSTS $		8,692,939	13,806,050	4,897,138	27,396,127	579,529	406,060	257,744	402,884
WELLS		3	8	2	13				
FOOTAGE	10,000 - 12,499	32,954	86,503	23,751	143,208	10,985	10,813	11,876	11,016
COSTS $		3,429,120	4,833,081	795,248	9,057,449	1,143,040	604,135	397,624	696,727
WELLS		--	3	--	3				
FOOTAGE	12,500 - 14,999	--	42,567	--	42,567	--	14,189	--	14,189
COSTS $		--	3,390,099	--	3,390,099	--	1,130,033	--	1,130,033
WELLS		--	1	--	1				
FOOTAGE	15,000 - 17,499	--	15,060	--	15,060	--	15,060	--	15,060
COSTS $		--	937,789	--	937,789	--	937,789	--	937,789
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		106	83	54	243				
TOTAL FOOTAGE		480,326	598,949	326,791	1,406,066	4,531	7,216	6,052	5,786
TOTAL COSTS $		26,877,352	31,896,757	10,179,559	68,953,668	253,560	384,298	188,510	283,760

Table 51

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

TEXAS - OFFSHORE

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	1	--	1				
FOOTAGE	2,500 - 3,749	--	3,600	--	3,600	--	3,600	--	3,600
COSTS $		--	1,846,427	--	1,846,427	--	1,846,427	--	1,846,427
WELLS		--	--	--	--				
FOOTAGE	3,750 - 4,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	1	7	8				
FOOTAGE	5,000 - 7,499	--	7,390	45,240	52,630	--	7,390	6,463	6,579
COSTS $		--	2,013,117	8,167,117	10,180,234	--	2,013,117	1,166,731	1,272,529
WELLS		5	12	22	39				
FOOTAGE	7,500 - 9,999	45,311	101,771	190,895	337,977	9,062	8,481	8,677	8,666
COSTS $		10,294,217	31,066,667	30,623,684	71,984,568	2,058,843	2,588,889	1,391,986	1,845,758
WELLS		2	6	6	14				
FOOTAGE	10,000 - 12,499	21,846	63,346	68,903	154,095	10,923	10,558	11,484	11,007
COSTS $		4,593,181	16,253,749	12,204,925	33,151,855	2,346,591	2,708,958	2,034,154	2,367,990
WELLS		--	3	1	4				
FOOTAGE	12,500 - 14,999	--	38,560	13,100	51,660	--	12,853	13,100	12,915
COSTS $		--	18,153,677	3,319,109	21,472,786	--	6,051,226	3,319,109	5,368,197
WELLS		--	--	2	2				
FOOTAGE	15,000 - 17,499	--	--	30,753	30,753	--	--	15,377	15,377
COSTS $		--	--	12,888,508	12,888,508	--	--	6,444,254	6,444,254
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	-	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		7	23	38	68				
TOTAL FOOTAGE		67,157	214,667	348,891	630,715	9,594	9,333	9,181	9,275
TOTAL COSTS $		14,987,398	69,333,637	67,203,343	151,524,378	2,141,057	3,014,506	1,768,509	2,228,300

Table 52

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

OFFSHORE TEXAS--STATE WATERS

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	2,500 - 3,749	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	3,750 - 4,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	2	2				
FOOTAGE	5,000 - 7,499	--	--	12,077	12,077	--	--	6,039	6,039
COSTS $		--	--	1,899,947	1,899,947	--	--	949,974	949,974
WELLS		1	5	4	10				
FOOTAGE	7,500 - 9,999	8,512	41,083	34,387	83,982	8,512	8,217	8,597	8,398
COSTS $		2,126,379	9,411,994	5,010,466	16,548,839	2,126,379	1,882,399	1,252,617	1,654,883
WELLS		--	2	1	3				
FOOTAGE	10,000 - 12,499	--	20,670	12,018	32,688	--	10,335	12,018	10,896
COSTS $		--	2,985,454	2,426,321	5,411,775	--	1,492,727	2,426,321	1,803,925
WELLS		--	--	--	--				
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		1	7	7	15				
TOTAL FOOTAGE		8,512	61,753	58,482	128,747	8,512	8,822	8,355	8,583
TOTAL COSTS $		2,126,379	12,397,448	9,336,734	23,860,561	2,126,379	1,771,064	1,333,819	1,590,704

Table 53

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

OFFSHORE TEXAS--FEDERAL WATERS

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	1	--	1				
FOOTAGE	2,500 - 3,749	--	3,600	--	3,600	--	3,600	--	3,600
COSTS $		--	1,776,785	--	1,776,785	--	1,776,785	--	1,776,785
WELLS		--	--	--	--				
FOOTAGE	3,750 - 4,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	1	5	6				
FOOTAGE	5,000 - 7,499	--	7,390	33,163	40,553	--	7,390	6,633	6,759
COSTS $		--	1,882,090	6,267,170	8,149,260	--	1,882,090	1,253,434	1,358,210
WELLS		4	7	18	29				
FOOTAGE	7,500 - 9,999	36,799	60,688	156,508	253,995	9,200	8,670	8,695	8,759
COSTS $		8,167,838	21,654,673	25,613,218	55,435,729	2,041,960	3,093,525	1,422,957	1,911,577
WELLS		2	4	5	11				
FOOTAGE	10,000 - 12,499	21,846	42,676	56,885	121,407	10,923	10,669	11,377	11,037
COSTS $		4,693,181	13,268,295	9,778,604	27,740,080	2,346,591	3,317,074	1,955,721	2,521,826
WELLS		--	3	1	4				
FOOTAGE	12,500 - 14,999	--	38,560	13,100	51,660	--	12,853	13,100	12,915
COSTS $		--	18,153,677	3,319,109	21,472,786	--	6,051,226	3,319,109	5,368,197
WELLS		--	--	2	2				
FOOTAGE	15,000 - 17,499	--	--	30,753	30,753	--	--	15,377	15,377
COSTS $		--	--	12,679,899	12,679,899	--	--	6,339,950	6,339,950
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		6	16	31	53				
TOTAL FOOTAGE		58,645	152,914	290,409	501,968	9,774	9,557	9,368	9,471
TOTAL COSTS $		12,861,019	56,735,520	57,658,000	127,254,539	2,143,503	3,545,970	1,859,936	2,401,029

Table 54

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

UTAH

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		7	1	7	15				
FOOTAGE	0 - 1,249	4,400	1,140	5,005	10,545	629	1,140	715	703
COSTS $		339,016	89,202	301,358	729,576	48,431	89,202	43,051	48,638
WELLS		--	4	2	6				
FOOTAGE	1,250 - 2,499	--	7,855	4,060	11,915	--	1,964	2,030	1,986
COSTS $		--	509,838	489,954	999,792	--	127,460	244,977	166,632
WELLS		2	--	3	5				
FOOTAGE	2,500 - 3,749	7,000	--	8,500	15,500	3,500	--	2,833	3,100
COSTS $		425,277	--	871,965	1,297,242	212,639	--	290,655	259,448
WELLS		8	1	1	10				
FOOTAGE	3,750 - 4,999	36,440	3,908	4,920	45,268	4,555	3,908	4,920	4,527
COSTS $		1,750,748	225,267	375,089	2,351,104	218,844	225,267	375,089	235,110
WELLS		14	181	35	230				
FOOTAGE	5,000 - 7,499	84,592	1,246,581	224,325	1,555,498	6,042	6,887	6,409	6,763
COSTS $		5,703,356	81,069,058	17,306,791	104,079,205	407,383	447,895	494,480	452,518
WELLS		4	20	3	27				
FOOTAGE	7,500 - 9,999	34,055	158,246	24,462	216,763	8,514	7,912	8,154	8,028
COSTS $		4,141,482	9,238,051	4,891,748	18,271,281	1,035,371	461,903	1,630,583	676,714
WELLS		5	--	--	5				
FOOTAGE	10,000 - 12,499	59,000	--	--	59,000	11,800	--	--	11,800
COSTS $		8,695,829	--	--	8,695,829	1,739,166	--	--	1,739,166
WELLS		17	--	--	17				
FOOTAGE	12,500 - 14,999	229,605	--	--	229,605	13,506	--	--	13,506
COSTS $		30,086,034	--	--	30,086,034	1,769,767	--	--	1,769,767
WELLS		3	--	1	4				
FOOTAGE	15,000 - 17,499	46,975	--	16,500	63,475	15,658	--	16,500	15,869
COSTS $		6,888,797	--	3,155,477	10,044,274	2,296,266	--	3,155,477	2,511,069
WELLS		--	--	--	--				
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		60	207	52	319				
TOTAL FOOTAGE		502,067	1,417,730	287,772	2,207,569	8,368	6,849	5,534	6,920
TOTAL COSTS $		58,030,539	91,131,416	27,392,382	176,554,337	967,176	440,248	526,777	553,462

Table 55

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

WYOMING

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		39	34	26	99				
FOOTAGE	0 - 1,249	23,457	16,540	16,842	56,839	601	486	648	574
COSTS $		1,626,561	1,819,840	427,846	3,874,247	41,707	53,525	16,456	39,134
WELLS		11	1	4	16				
FOOTAGE	1,250 - 2,499	24,631	1,596	7,642	33,869	2,239	1,596	1,911	2,117
COSTS $		650,994	84,775	281,836	1,017,605	59,181	84,775	70,459	63,600
WELLS		15	1	7	23				
FOOTAGE	2,500 - 3,749	45,831	3,022	22,599	71,452	3,055	3,022	3,228	3,107
COSTS $		2,566,388	150,726	869,369	3,586,483	171,093	150,726	124,196	155,934
WELLS		15	6	7	28				
FOOTAGE	3,750 - 4,999	66,581	28,102	30,457	125,140	4,439	4,684	4,351	4,469
COSTS $		5,407,181	1,578,759	1,266,458	8,252,398	360,479	263,127	180,923	294,729
WELLS		16	8	43	67				
FOOTAGE	5,000 - 7,499	93,965	47,177	283,907	425,049	5,873	5,897	6,602	6,344
COSTS $		6,731,219	2,818,513	9,626,840	19,176,572	420,701	352,314	223,880	286,218
WELLS		25	48	55	128				
FOOTAGE	7,500 - 9,999	223,992	432,613	478,964	1,135,569	8,960	9,013	8,708	8,872
COSTS $		14,927,741	34,215,367	13,946,482	63,089,590	597,110	712,820	253,572	492,887
WELLS		23	85	27	135				
FOOTAGE	10,000 - 12,499	258,863	990,023	294,222	1,543,108	11,255	11,647	10,897	11,430
COSTS $		17,990,044	80,351,493	11,273,408	109,614,945	782,176	945,312	417,534	811,963
WELLS		7	89	13	109				
FOOTAGE	12,500 - 14,999	91,570	1,139,802	176,346	1,407,718	13,081	12,807	13,565	12,915
COSTS $		9,537,931	85,333,974	16,332,439	111,204,344	1,362,562	958,809	1,256,342	1,020,223
WELLS		--	1	--	1				
FOOTAGE	15,000 - 17,499	--	16,034	--	16,034	--	16,034	--	16,034
COSTS $		--	4,389,192	--	4,389,192	--	4,389,192	--	4,389,192
WELLS		--	--	1	1				
FOOTAGE	17,500 - 19,999	--	--	18,552	18,552	--	--	18,552	18,552
COSTS $		--	--	4,025,933	4,025,933	--	--	4,025,933	4,025,933
WELLS		--	--	--	--				
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
TOTAL WELLS		151	273	183	607				
TOTAL FOOTAGE		828,890	2,674,909	1,329,531	4,833,330	5,489	9,798	7,265	7,963
TOTAL COSTS $		59,438,059	210,742,639	58,050,611	328,231,309	393,630	771,951	317,216	540,744

Table 56

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

APPALACHIAN*

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
		33	31	30	94				
WELLS		31,476	23,603	17,880	72,959	954	761	596	776
FOOTAGE	0 - 1,249	885,106	1,193,616	1,201,821	3,280,543	26,821	38,504	40,061	34,899
COSTS $									
		78	98	15	191				
WELLS		142,689	193,384	26,305	362,378	1,829	1,973	1,754	1,897
FOOTAGE	1,250 - 2,499	5,045,423	7,740,250	696,984	13,482,657	64,685	78,982	46,466	70,590
COSTS $									
		83	252	25	360				
WELLS		259,667	853,703	80,229	1,193,599	3,129	3,388	3,209	3,316
FOOTAGE	2,500 - 3,749	6,364,139	29,703,407	1,672,342	37,739,888	76,676	117,871	66,894	104,833
COSTS $									
		128	345	37	510				
WELLS		570,356	1,492,124	158,228	2,220,708	4,456	4,325	4,276	4,354
FOOTAGE	3,750 - 4,999	13,685,370	51,894,542	3,234,181	68,814,093	106,917	150,419	87,410	134,930
COSTS $									
		152	503	36	691				
WELLS		866,968	2,920,633	218,098	4,005,699	5,704	5,806	6,058	5,797
FOOTAGE	5,000 - 7,499	22,075,792	100,428,652	4,277,328	126,781,772	145,235	199,659	118,815	183,476
COSTS $									
		--	4	1	5				
WELLS		--	31,410	7,823	39,233	--	7,853	7,823	7,847
FOOTAGE	7,500 - 9,999	--	1,006,125	250,158	1,256,283	--	251,531	250,158	251,257
COSTS $									
		--	--	--	--				
WELLS		--	--	--	--	--	--	--	--
FOOTAGE	10,000 - 12,499	--	--	--	--	--	--	--	--
COSTS $									
		--	--	--	--				
WELLS		--	--	--	--	--	--	--	--
FOOTAGE	12,500 - 14,999	--	--	--	--	--	--	--	--
COSTS $									
		--	--	--	--				
WELLS		--	--	--	--	--	--	--	--
FOOTAGE	15,000 - 17,499	--	--	--	--	--	--	--	--
COSTS $									
		--	--	--	--				
WELLS		--	--	--	--	--	--	--	--
FOOTAGE	17,500 - 19,999	--	--	--	--	--	--	--	--
COSTS $									
		--	--	--	--				
WELLS		--	--	--	--	--	--	--	--
FOOTAGE	20,000 & OVER	--	--	--	--	--	--	--	--
COSTS $									
TOTAL WELLS		474	1,233	144	1,851				
TOTAL FOOTAGE		1,871,156	5,514,857	508,563	7,894,576	3,948	4,473	3,532	4,265
TOTAL COSTS $		48,055,830	191,966,592	11,332,814	251,355,236	101,384	155,691	78,700	135,794

*Includes New York, Ohio, Pennsylvania, and West Virginia.

Table 57

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

OFFSHORE FEDERAL - TOTAL*

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	2	--	2				
FOOTAGE	2,500 - 3,749	--	6,120	--	6,120	--	3,060	--	3,060
COSTS $		--	5,805,392	--	5,805,392	--	2,902,696	--	2,902,696
WELLS		--	1	--	1				
FOOTAGE	3,750 - 4,999	--	4,080	--	4,080	--	4,080	--	4,080
COSTS $		--	2,729,406	--	2,729,406	--	2,729,406	--	2,729,406
WELLS		13	--	1	14				
FOOTAGE	5,000 - 7,499	88,072	--	7,426	95,498	6,775	--	7,426	6,821
COSTS $		35,301,611	--	4,680,043	39,981,654	2,715,509	--	4,680,043	2,855,833
WELLS		9	3	3	15				
FOOTAGE	7,500 - 9,999	75,981	25,513	26,639	128,133	8,442	8,504	8,880	8,542
COSTS $		67,675,470	14,451,545	10,944,055	93,071,070	7,519,497	4,817,182	3,648,018	6,204,738
WELLS		--	5	2	7				
FOOTAGE	10,000 - 12,499	--	52,079	22,623	74,702	--	10,416	11,312	10,672
COSTS $		--	32,791,514	63,037,337	95,828,851	--	6,558,303	31,518,669	13,689,836
WELLS		2	--	6	8				
FOOTAGE	12,500 - 14,999	28,514	--	80,932	109,446	14,257	--	13,489	13,681
COSTS $		11,834,851	--	48,023,845	59,858,696	5,917,426	--	8,003,974	7,482,337
WELLS		2	1	2	5				
FOOTAGE	15,000 - 17,499	30,982	15,271	32,407	78,660	15,491	15,271	16,204	15,732
COSTS $		15,256,582	13,286,791	19,094,379	47,637,752	7,628,291	13,286,791	9,547,190	9,527,550
WELLS		--	--	4	4				
FOOTAGE	17,500 - 19,999	--	--	72,810	72,810	--	--	18,203	18,203
COSTS $		--	--	54,964,282	54,964,282	--	--	13,741,071	13,741,071
WELLS		--	1	1	2				
FOOTAGE	20,000 & OVER	--	22,882	22,489	45,371	--	22,882	22,489	22,686
COSTS $		--	24,928,646	16,551,602	41,480,248	--	24,928,647	16,551,602	20,740,125
TOTAL WELLS		26	13	19	58				
TOTAL FOOTAGE		223,549	125,945	265,326	614,820	8,598	9,688	13,965	10,600
TOTAL COSTS $		130,068,514	93,993,294	217,295,543	441,357,351	5,002,635	7,230,254	11,436,608	7,609,610

*Includes Offshore Federal Waters-Alaska, which is not shown separately.

Table 58

ESTIMATED COSTS OF DRILLING AND EQUIPPING WELLS, BY DEPTH INTERVALS - 1992

OFFSHORE FEDERAL - GULF OF MEXICO NORTHERN

DEPTH INTERVAL (FEET)		TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		--	--	--	--				
FOOTAGE	0 - 1,249	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	--	--	--				
FOOTAGE	1,250 - 2,499	--	--	--	--	--	--	--	--
COSTS $		--	--	--	--	--	--	--	--
WELLS		--	2	--	2				
FOOTAGE	2,500 - 3,749	--	6,120	--	6,120	--	3,060	--	3,060
COSTS $		--	5,805,392	--	5,805,392	--	2,902,696	--	2,902,696
WELLS		--	1	--	1				
FOOTAGE	3,750 - 4,999	--	4,080	--	4,080	--	4,080	--	4,080
COSTS $		--	2,729,406	--	2,729,406	--	2,729,406	--	2,729,406
WELLS		13	--	1	14				
FOOTAGE	5,000 - 7,499	88,072	--	7,426	95,498	6,775	--	7,426	6,821
COSTS $		35,301,611	--	4,680,043	39,981,654	2,715,509	--	4,680,043	2,855,833
WELLS		8	3	3	14				
FOOTAGE	7,500 - 9,999	67,481	25,513	26,639	119,633	8,435	8,504	8,880	8,545
COSTS $		27,928,166	14,451,545	10,944,055	53,323,766	3,491,021	4,817,182	3,648,018	3,808,841
WELLS		--	5	1	6				
FOOTAGE	10,000 - 12,499	--	52,079	10,393	62,472	--	10,416	10,393	10,412
COSTS $		--	32,791,514	4,913,065	37,704,579	--	6,558,303	4,913,065	6,284,097
WELLS		2	--	6	8				
FOOTAGE	12,500 - 14,999	28,514	--	80,932	109,446	14,257	--	13,489	13,681
COSTS $		11,834,851	--	48,023,845	59,858,696	5,917,426	--	8,003,974	7,482,337
WELLS		2	1	2	5				
FOOTAGE	15,000 - 17,499	30,982	15,271	32,407	78,660	15,491	15,271	16,204	15,732
COSTS $		15,256,582	13,286,791	19,094,379	47,637,752	7,628,291	13,286,791	9,547,190	9,527,550
WELLS		--	--	4	4				
FOOTAGE	17,500 - 19,999	--	--	72,810	72,810	--	--	18,203	18,203
COSTS $		--	--	54,964,282	54,964,282	--	--	13,741,071	13,741,071
WELLS		--	1	1	2				
FOOTAGE	20,000 & OVER	--	22,882	22,489	45,371	--	22,882	22,489	22,686
COSTS $		--	24,928,646	16,551,602	41,480,248	--	24,928,647	16,551,602	20,740,125
TOTAL WELLS		25	13	18	56				
TOTAL FOOTAGE		215,049	125,945	253,096	594,090	8,602	9,688	14,061	10,609
TOTAL COSTS $		90,321,210	93,993,294	159,171,271	343,485,775	3,612,849	7,230,254	8,842,848	6,133,675

APPENDIX A: Questionnaire, Definitions, and Instructions

CONFIDENTIAL

JOINT ASSOCIATION SURVEY ON DRILLING COSTS
U.S. WELLS DRILLED, FOOTAGE AND COSTS

CONFIDENTIAL

PAGE

OPERATOR NAME	WELL NUMBER - LEASE NAME	STATE	SH	WELL IDENTIFICATION NUMBER
ABC OIL COMPANY	#1 J.M. OBERMILLER	CA	ON	04-029-23459

TYPE	OIL ZONES	GAS ZONES	DEPTH	COMPLETION DATE	SECTION	TWP	RANGE	CDS	X. COORD. OR LATITUDE	Y. COORD. OR LONGITUDE
EXP-OIL	1	0	3456	08/92	031	15-N	053-E		° ▲ •	° ▲ •

COUNTY NAME	LOCATION	TOTAL COST
KERN	958 FNL 388 FWL	

COMMENTS:

OPERATOR NAME	WELL NUMBER - LEASE NAME	STATE	SH	WELL IDENTIFICATION NUMBER
ABC OIL COMPANY	#8 P.J. GIBSON	OK	ON	34-053-10432

TYPE	OIL ZONES	GAS ZONES	DEPTH	COMPLETION DATE	SECTION	TWP	RANGE	CDS	X. COORD. OR LATITUDE	Y. COORD. OR LONGITUDE
DEV-GAS	1	0	2335	04/92	017	19-N	044-E		° ▲ •	° ▲ •

COUNTY NAME	LOCATION	TOTAL COST
GRANT	2130 FSL 1560 FWL	

COMMENTS:

OPERATOR NAME	WELL NUMBER - LEASE NAME	STATE	SH	WELL IDENTIFICATION NUMBER
ABC OIL COMPANY	B-3 OCS-G-3232	LA	OF	17-710-22106

TYPE	OIL ZONES	GAS ZONES	DEPTH	COMPLETION DATE	SECTION	TWP	RANGE	CDS	X. COORD. OR LATITUDE	Y. COORD. OR LONGITUDE
DEV-DRY	0	0	8784	11/92					° ▲ •	° ▲ •

COUNTY NAME	LOCATION	TOTAL COST
EUGENE ISLAND SOUTH	BLOCK 361	

COMMENTS:

OPERATOR NAME	WELL NUMBER - LEASE NAME	STATE	SH	WELL IDENTIFICATION NUMBER

TYPE	OIL ZONES	GAS ZONES	DEPTH	COMPLETION DATE	SECTION	TWP	RANGE	CDS	X. COORD. OR LATITUDE	Y. COORD. OR LONGITUDE
									° ▲ •	° ▲ •

COUNTY NAME	LOCATION	TOTAL COST

COMMENTS:

OPERATOR NAME	WELL NUMBER - LEASE NAME	STATE	SH	WELL IDENTIFICATION NUMBER

TYPE	OIL ZONES	GAS ZONES	DEPTH	COMPLETION DATE	SECTION	TWP	RANGE	CDS	X. COORD. OR LATITUDE	Y. COORD. OR LONGITUDE
									° ▲ •	° ▲ •

COUNTY NAME	LOCATION	TOTAL COST

COMMENTS:

NDIVIDUAL SUBMITTING REPORT:_____ _____ TELEPHONE NUMBER: AC_____

INSTRUCTIONS AND DEFINITIONS FOR DRILLING COSTS

1. **WELLS TO BE REPORTED.** Report each domestic well completed by you as OPERATOR (whether actually drilled by you or drilled for you by a contractor), in the survey year. Report each well completed by you as operator regardless of the size of your working interest in the well. Do not report wells drilled by others in which you may have had only a part of a working interest regardless of the size of such interest. Do not report wells started in the survey year or in prior years, but not completed as of December 31 of the survey year. Do not report wells reentered for completion at shallower depths, old well drilled deeper, old wells worked over, stratigraphic tests, core test, or service wells (including input wells).

2. **SH.** Enter "SW" if well is located in state offshore waters; enter "FW" if well is located in federal offshore waters; enter "ON" if it is onshore. An offshore well is one which is bottomed at, or produces from, a point which lies seaward of the coastline. If a state agency uses a different basis for classifying onshore and offshore wells, the state classification should be used. In general, the term "coastline" means the line of ordinary low water along that portion of the coast which is in direct contact with the open sea or the line marking the seaward limit of inland waters. For the purposes of the JAS, Cook Inlet (Alaska) is classified as "offshore.

3. **WELL IDENTIFICATION NUMBER.** Enter the STATE DESIGNATED API NUMBER if it is available. Where states do not assign API well numbers, or if you do not know the number, leave this item blank.

4. **TYPE.** Insert the classification for each well reported as either an exploratory (EXP) or a development (DEV) well. Exploratory wells include new-field wildcats, deeper-pool tests, shallower-pool tests, and outposts (extensions). Development wells include all wells drilled to produce oil and gas from pools discovered by previous drilling.

   Subclassify all wells either oil, gas or dry holes, e.g. "EXP-OIL", "DEV-GAS", "EXP-DRY". An oil well is a well completed for the production of crude oil from at least one oil zone or reservoir. A gas well is one which can produce hydrocarbons existing initially in a gaseous phase in the reservoir. So-called gas condensate wells should be reported as gas wells. A dry hole is an exploratory or development well found to be incapable of producing either oil or gas in sufficient quantities to justify completion as an oil or gas well. The state regulatory classification should be used, if available; if not available, use a classification by company engineers.

   Count MULTIPLE COMPLETIONS as one well. (See Item 5 for definition.)

5. **OIL ZONES, GAS ZONES.** Enter the total number of separately producing oil zones and gas zones (reservoirs).

   As noted under (item 4, a multiple completion should be reported as one well. A multiple completion well is a well equipped to produce oil and/or gas separately from more than one reservoir. SUCH WELLS CONTAIN MULTIPLE STRINGS OF TUBING OR OTHER EQUIPMENT WHICH PERMIT PRODUCTION FROM THE VARIOUS COMPLETIONS TO BE MEASURED AND ACCOUNTED FOR SEPARATELY.

   Report a multiple completion well as an oil well if oil is produced from at least one of several zones, even though gas and gas condensate may be produced from one or more zones in the same well. Report a multiple completion well as a gas well if oil is not produced from any of the several zones.

   For a dry hole enter the word "DRY".

6. **DEPTH.** Report for each well the total feet of penetration measured down the well bore. Include all plugged back footage, but exclude bypassed footage resulting from remedial sidetrack drilling operations. For OFFSHORE WELLS drilled from a platform or a barge over water and the reference point is above water, the depth of the water is included in the total length of the well bore.

7. **COMPLETION DATE.** Enter the month and year of completion.

8. **SECTION, TWP, RANGE.** Enter location data if appropriate for area.

9. **COUNTY NAME AND LOCATION.** For each onshore well reported provide the country name, and for state and federal offshore waters provide pseudo-county names. Under location enter the designated block numbers for state and federal offshore wells and any other available information that would be helpful in identifying well locations.

10. **TOTAL COST.** Report the TOTAL cost (tangible and intangible) of each well completed by you as operator in the survey year (whether actually drilled by you or drilled for you by contractors). The TOTAL of such costs should be reported even though you as operator had only a part of a working interest in the well.

    Do not report costs of wells drilled by others in which you had a working interest regardless of the size of such interest. The costs to be reported are those associated with wells which are completed during the survey year and the dollar amount to be reported is the accumulated cost of such wells from the time locations were made until the wells were completed as productive wells or abandoned after drilling was terminated because they were non-productive.

    PLEASE ROUND OFF TOTAL COSTS TO THE NEAREST DOLLAR.

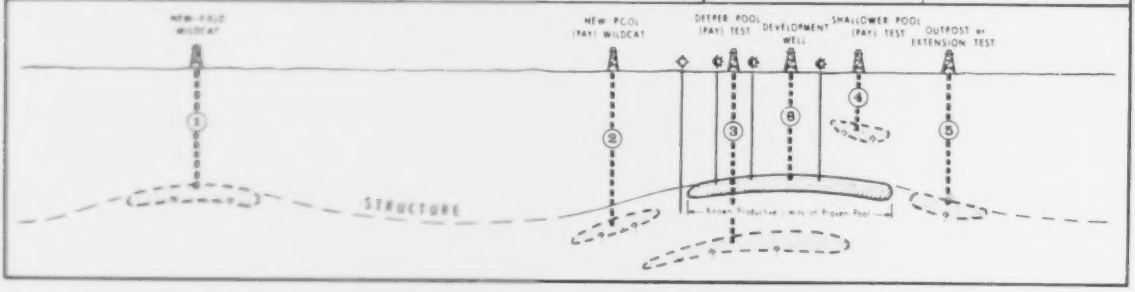
    In general, the elements contributing to reported cost are the expenditures for drilling dry holes and productive wells and equipping new productive wells through the "Christmas tree" installation. More specifically, these cost elements are the costs of labor, materials, supplies, water, fuels, power, and direct overhead (i.e., field, district, and regional), for such operations as site preparation, road building, erecting and dismantling derricks and drilling rigs, drilling hole, running and cementing casing, hauling materials, etc. Include the total cost of water, if purchased, or cost of water well, if drilled and chargeable to oil or gas well drilling operations. Well costs also include machinery and tool charges and rentals, and depreciation charges, where appropriate, for rigs and other equipment and facilities which will be used in drilling more than one well. Deduct the condition value of materials salvaged after use where appropriate.

    Do not report the cost of lease equipment such as artificial lift equipment and downhole lift equipment, flow lines, flow tans, separators, etc., that are required for production. Do not reduce the costs by test well, bottom hole, or dry hole contributions.

    For OFFSHORE WELLS, include costs on fixed platforms and islands. Where facilities serve more than one well, the costs should be allocated to each well on the basis of the operator's best current estimate of the ultimate number of wells that will use the facility. Also, include cost expirations (depreciation or amortization) for company-owned mobile platforms, barges and tenders.

AAPG and API Classification of Wells

OBJECTIVE OF DRILLING	INITIAL CLASSIFICATION ◇ WHEN DRILLING IS STARTED	FINAL CLASSIFICATION AFTER COMPLETION OR ABANDONMENT	
		SUCCESSFUL ● ☼ ◐	UNSUCCESSFUL ◇
Drilling for a **new field** or a structure or in an environment never before productive	1. NEW-FIELD WILDCAT	NEW-FIELD DISCOVERY WILDCAT	DRY NEW-FIELD WILDCAT
Drilling for a **new pool** on a structure or in a geological environment already productive — NEW POOL TESTS — Drilling outside limits of a proved area of pool	2. NEW-POOL (PAY) WILDCAT	NEW-POOL DISCOVERY WELLS (Sometimes extension wells) — NEW-POOL DISCOVERY WILDCAT (Sometimes an extension well)	DRY NEW-POOL TESTS — DRY NEW-POOL WILDCAT
Drilling inside limits of proved area of pool — Form a **new pool below** deepest proven pool	3. DEEPER POOL (PAY) TEST	DEEPER POOL DISCOVERY WELL	DRY DEEPER POOL TEST
For a **new pool above** deepest proven pool	4. SHALLOWER POOL (PAY) TEST	SHALLOWER POOL DISCOVERY WELL	DRY SHALLOWER POOL TEST
Drilling for **long extension** of a partly developed pool	5. OUTPOST or EXTENSION TEST	EXTENSION WELL (Sometimes a new-pool discovery well)	DRY OUTPOST OR DRY EXTENSION TEST
Drilling to exploit or **develop** a hydrocarbon accumulation discovered by previous drilling	6. DEVELOPMENT WELL	DEVELOPMENT WELL	DRY DEVELOPMENT WELL



LAHEE CLASSIFICATION OF WELLS, AS APPLIED BY CSD

Tests drilled with the intent of being completed as hydrocarbon producers if found

NEW FIELD WILDCAT. A new field wildcat is located far from producing pools, and on a structure which has not produced before. In regions where local structure has little or no control on accumulation, these holes are generally at least 2 miles from the nearest productive area. Distance, however, is not the determining factor. The classification is based on the degree of risk assumed by the operator, and his intention to test a structure or stratigraphic condition not previously proved productive.

NEW-POOL (PAY) WILDCAT. A new-pool wildcat is located to explore for new pools on a structure already producing, but off to one side of the presently producing area. In some regions where local structure is almost negligible as a control, exploration holes of this group may be called "near wildcats." Such will usually be less than 2 miles from the nearest productive area. Sometimes a new-pool wildcat may extend a pool already partly developed, if so its final classification is an Extension.

DEEPER-POOL (PAY) TEST. A deeper-pool test is an exploratory hole located within the productive area of a pool, or pools, already partly or wholly developed. It is drilled below the deepest such pool penetrated by it to explore for deeper unknown prospects. Sometimes such a hole extends a deeper pool which has been partly developed in another part of the field.

SHALLOWER-POOL (PAY) TEST. A shallower-pool test is exploratory only if drilled in search of some new productive reservoir, unknown but possibly suspected from data secured from other wells. The test must be located within the productive area of a pool, or pools, previously developed. Sometimes such a test extends a shallower-pool partly developed elsewhere in the same field.

OUTPOST OR EXTENSION TEST. An outpost is located and drilled with the expectation of extending for a considerable distance the productive area of a partly developed pool. It is usually two or more locations distant from the nearest productive area. Sometimes an outpost discovers a new pool.

DEVELOPMENT WELL. A well drilled to exploit a hydrocarbon accumulation discovered by previous drilling.

Tests drilled without the intent of being completed for hydrocarbon production

STRATIGRAPHIC TEST. A drilling effort, geologically directed, to obtain information pertaining to a specific earth condition that might lead toward a possible accumulation of hydrocarbon. It must be drilled without the intention of being completed for hydrocarbon production. This classification includes tests identified as core tests by some operators.

SERVICE WELL. A well that is either drilled or completed for the purpose of supporting production of an existing field through observation, injection, water supply, etc.

APPENDIX B: Summary of Sample Data

SUMMARY OF SAMPLE DATA - 1992

EXPLORATORY WELLS

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		2	10	47	59				
FOOTAGE	0 - 1,249	808	8,048	38,491	47,347	404	805	819	802
COSTS $		23,600	201,468	1,475,493	1,700,561	11,800	20,147	31,393	28,823
WELLS		3	14	92	109				
FOOTAGE	1,250 - 2,499	6,132	25,036	181,505	212,673	2,044	1,788	1,973	1,951
COSTS $		183,713	822,334	20,246,766	21,252,813	61,238	58,738	220,074	194,980
WELLS		21	25	146	192				
FOOTAGE	2,500 - 3,749	67,276	79,283	462,706	609,265	3,204	3,171	3,169	3,173
COSTS $		2,695,697	2,810,856	14,495,007	20,001,560	128,367	112,434	99,281	104,175
WELLS		57	12	257	326				
FOOTAGE	3,750 - 4,999	253,168	51,578	1,134,773	1,439,519	4,442	4,298	4,415	4,416
COSTS $		12,822,595	1,783,268	26,159,668	40,765,531	224,958	148,606	101,789	125,048
WELLS		69	47	360	476				
FOOTAGE	5,000 - 7,499	412,458	293,865	2,153,674	2,859,997	5,978	6,252	5,982	6,008
COSTS $		20,408,887	15,410,663	77,225,429	113,044,979	295,781	327,886	214,515	237,489
WELLS		64	31	160	255				
FOOTAGE	7,500 - 9,999	547,086	257,328	1,370,677	2,175,091	8,548	8,301	8,567	8,530
COSTS $		90,230,086	24,526,385	83,065,105	197,821,576	1,409,845	791,174	519,157	775,771
WELLS		30	24	73	127				
FOOTAGE	10,000 - 12,499	337,697	270,052	820,126	1,427,875	11,257	11,252	11,235	11,243
COSTS $		39,146,713	39,025,943	140,368,914	218,541,570	1,304,890	1,626,081	1,922,862	1,720,800
WELLS		20	17	54	91				
FOOTAGE	12,500 - 14,999	262,671	233,415	724,516	1,220,602	13,134	13,730	13,417	13,413
COSTS $		23,704,186	47,054,333	105,769,705	176,528,224	1,185,209	2,767,902	1,958,698	1,939,871
WELLS		3	6	26	35				
FOOTAGE	15,000 - 17,499	45,842	99,978	415,344	561,164	15,281	16,663	15,975	16,033
COSTS $		7,863,729	20,987,019	71,340,115	100,190,863	2,621,243	3,497,837	2,743,851	2,862,596
WELLS		--	3	15	18				
FOOTAGE	17,500 - 19,999	--	53,901	275,866	329,767	--	17,967	18,391	18,320
COSTS $		--	16,070,286	124,263,673	140,333,959	--	5,356,762	8,284,245	7,796,331
WELLS		--	2	1	3				
FOOTAGE	20,000 & OVER	--	45,832	20,661	66,493	--	22,916	20,661	22,164
COSTS $		--	37,911,158	19,965,234	57,876,392	--	18,955,581	19,965,235	19,292,131
TOTAL WELLS		269	191	1,231	1,691				
TOTAL FOOTAGE		1,933,138	1,418,316	7,598,339	10,949,793	7,186	7,426	6,172	6,475
TOTAL COSTS $		197,079,206	206,603,713	684,375,109	1,088,058,028	732,636	1,081,695	555,951	643,441

SUMMARY OF SAMPLE DATA - 1992

DEVELOPMENT WELLS

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS				AVERAGE DEPTH AND COST PER WELL			
		OIL WELLS	GAS WELLS	DRY HOLES	TOTAL	OIL	GAS	DRY	TOTAL
WELLS		513	107	74	694				
FOOTAGE	0 - 1,249	480,581	102,060	59,195	641,836	937	954	800	925
COSTS $		30,804,907	6,413,849	1,402,283	38,621,039	60,049	59,943	18,950	55,650
WELLS		573	580	185	1,338				
FOOTAGE	1,250 - 2,499	1,061,942	1,110,669	361,725	2,534,336	1,853	1,915	1,955	1,894
COSTS $		53,030,470	77,107,494	11,243,143	141,381,107	92,549	132,944	60,774	105,666
WELLS		568	465	215	1,248				
FOOTAGE	2,500 - 3,749	1,780,359	1,435,391	680,960	3,896,710	3,134	3,087	3,167	3,122
COSTS $		102,404,527	101,675,493	17,760,281	221,840,301	160,290	218,657	82,606	177,757
WELLS		569	297	259	1,125				
FOOTAGE	3,750 - 4,999	2,521,169	1,305,704	1,119,876	4,946,749	4,431	4,396	4,324	4,397
COSTS $		115,888,368	61,939,637	29,526,602	207,354,607	203,670	208,551	114,002	184,315
WELLS		743	1,003	326	2,072				
FOOTAGE	5,000 - 7,499	4,579,618	6,617,379	1,982,353	13,179,350	6,164	6,598	6,081	6,361
COSTS $		273,350,213	259,471,670	76,452,965	609,274,848	367,901	258,696	234,518	294,052
WELLS		1,034	702	193	1,929				
FOOTAGE	7,500 - 9,999	8,672,146	5,963,300	1,657,111	16,292,557	8,387	8,495	8,586	8,446
COSTS $		536,525,276	376,850,665	100,793,444	1,014,169,385	518,883	536,824	522,246	525,749
WELLS		315	378	92	785				
FOOTAGE	10,000 - 12,499	3,595,489	4,183,640	1,015,488	8,794,617	11,414	11,068	11,038	11,203
COSTS $		405,345,831	402,357,139	84,432,929	892,135,899	1,286,812	1,064,437	917,749	1,136,479
WELLS		228	214	83	525				
FOOTAGE	12,500 - 14,999	3,037,545	2,845,027	1,117,457	7,000,029	13,323	13,295	13,463	13,333
COSTS $		347,298,608	278,166,780	126,728,984	752,194,372	1,523,240	1,299,845	1,526,855	1,432,751
WELLS		10	41	42	93				
FOOTAGE	15,000 - 17,499	159,319	653,723	670,506	1,483,548	15,932	15,944	15,964	15,952
COSTS $		20,850,542	148,122,666	121,073,374	290,046,582	2,085,054	3,612,748	2,882,700	3,118,781
WELLS		2	7	6	15				
FOOTAGE	17,500 - 19,999	36,397	128,959	111,086	276,442	18,199	18,423	18,514	18,429
COSTS $		5,725,303	46,697,235	22,810,795	75,233,333	2,862,652	6,671,034	3,801,799	5,015,556
WELLS		--	2	4	6				
FOOTAGE	20,000 & OVER	--	47,782	87,166	134,948	--	23,891	21,792	22,491
COSTS $		--	41,924,410	82,839,573	124,763,983	--	20,962,207	20,709,895	20,793,999
TOTAL WELLS		4,555	3,796	1,479	9,830				
TOTAL FOOTAGE		25,924,565	24,393,634	8,862,923	59,181,122	5,691	6,426	5,993	6,020
TOTAL COSTS $		1,891,224,045	1,800,727,038	675,064,373	4,367,015,456	415,197	474,375	456,433	444,254

SUMMARY OF SAMPLE DATA - 1992

SINGLE-COMPLETION WELLS

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS		AVERAGE DEPTH AND COST PER WELL	
		OIL WELLS	GAS WELLS	OIL	GAS
WELLS	0 - 1,249	512	117	935	941
FOOTAGE		478,775	110,108	60,054	56,541
COSTS $		30,747,434	6,615,317		
WELLS	1,250 - 2,499	572	593	1,852	1,912
FOOTAGE		1,059,420	1,133,905	91,770	130,971
COSTS $		52,492,561	77,665,752		
WELLS	2,500 - 3,749	586	475	3,135	3,089
FOOTAGE		1,837,275	1,467,079	178,215	213,841
COSTS $		104,433,960	101,574,475		
WELLS	3,750 - 4,999	619	261	4,432	4,383
FOOTAGE		2,743,458	1,143,848	206,374	192,415
COSTS $		127,745,586	50,220,396		
WELLS	5,000 - 7,499	804	972	6,145	6,618
FOOTAGE		4,940,532	6,432,949	361,205	253,132
COSTS $		290,408,452	246,044,506		
WELLS	7,500 - 9,999	1,091	663	8,393	8,479
FOOTAGE		9,156,950	5,621,793	566,589	519,406
COSTS $		618,149,031	344,365,909		
WELLS	10,000 - 12,499	339	385	11,399	11,069
FOOTAGE		3,864,250	4,261,626	1,280,133	1,096,415
COSTS $		433,965,216	422,119,881		
WELLS	12,500 - 14,999	244	221	13,301	13,324
FOOTAGE		3,245,488	2,944,497	1,429,833	1,394,294
COSTS $		348,879,267	308,139,047		
WELLS	15,000 - 17,499	13	46	15,782	16,053
FOOTAGE		205,161	738,416	2,208,790	3,620,516
COSTS $		28,714,271	166,543,727		
WELLS	17,500 - 19,999	2	10	18,199	18,286
FOOTAGE		36,397	182,860	2,862,652	6,276,752
COSTS $		5,725,303	62,767,521		
WELLS	20,000 & OVER	--	4	--	23,404
FOOTAGE		--	93,614	--	
COSTS $		--	79,835,568		19,958,893

SUMMARY OF SAMPLE DATA - 1992

MULTIPLE-COMPLETION WELLS

	DEPTH INTERVAL (FEET)	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS: OIL WELLS	TOTAL NUMBER OF WELLS, FOOTAGE DRILLED, AND COSTS: GAS WELLS	AVERAGE DEPTH AND COST PER WELL: OIL	AVERAGE DEPTH AND COST PER WELL: GAS
WELLS		3	--		
FOOTAGE	0 - 1,249	2,614	--	871	--
COSTS $		81,073	--	27,024	--
WELLS		4	1		
FOOTAGE	1,250 - 2,499	8,654	1,800	2,164	1,800
COSTS $		721,622	264,076	180,406	264,076
WELLS		3	15		
FOOTAGE	2,500 - 3,749	10,360	47,595	3,453	3,173
COSTS $		666,264	2,911,874	222,088	194,125
WELLS		7	48		
FOOTAGE	3,750 - 4,999	30,879	213,434	4,411	4,447
COSTS $		965,377	13,502,509	137,911	281,302
WELLS		8	78		
FOOTAGE	5,000 - 7,499	51,544	478,295	6,443	6,132
COSTS $		3,350,648	28,837,827	418,831	369,716
WELLS		7	70		
FOOTAGE	7,500 - 9,999	62,282	598,835	8,897	8,555
COSTS $		8,606,331	57,011,141	1,229,476	814,445
WELLS		6	17		
FOOTAGE	10,000 - 12,499	68,936	192,066	11,489	11,298
COSTS $		10,527,328	19,263,201	1,754,555	1,133,130
WELLS		4	10		
FOOTAGE	12,500 - 14,999	54,728	133,945	13,682	13,395
COSTS $		22,123,527	17,082,066	5,530,882	1,708,207
WELLS		--	1		
FOOTAGE	15,000 - 17,499	--	15,285	--	15,285
COSTS $		--	2,565,958	--	2,565,958
WELLS		--	--		
FOOTAGE	17,500 - 19,999	--	--	--	--
COSTS $		--	--	--	--
WELLS		--	--		
FOOTAGE	20,000 & OVER	--	--	--	--
COSTS $		--	--	--	--

JAS SAMPLE DISTRIBUTION 1988 - 1992

Wells Drilled	1988 Total Companies	1988 Total Wells	1989 Total Companies	1989 Total Wells	1990 Total Companies	1990 Total Wells	1991 Total Companies	1991 Total Wells	1992 Total Companies	1992 Total Wells
1-4	955	1,819	910	1,696	774	1,505	1,136	2,196	938	1,760
5-9	223	1,434	203	1,301	211	1,356	270	1,722	217	1,413
10-24	140	2,101	92	1,365	115	1,621	138	2,024	109	1,553
25-49	36	1,200	28	988	46	1,675	32	1,101	41	1,446
50-99	21	1,362	20	1,419	24	1,614	20	1,364	9	604
100 & over	21	6,078	18	4,589	25	6,970	22	5,219	25	4,745
Total	1,396	13,994	1,271	11,358	1,195	14,741	1,618	13,626	1,339	11,521

APPENDIX C: Statistical Methodology

Joint Association Survey on Drilling Costs

ESTIMATION METHODOLOGY

Regression Analysis Procedures

The current JAS methodology is a modified version of a technique practiced since 1978 -- regression analysis. This method was used to model costs for non-reported wells as a function of the depth, type and general location of those wells.

Once the JAS sample data were collected and verified, a separate regression model for each geographic area and well type was developed using equation I. Two independent variables were used -- depth and depth squared. The general regression model was:

$$\text{I.} \quad (\text{cost})^{\alpha} = \beta_0 + \beta_1 (\text{depth}) + \beta_2 (\text{depth})^2$$

Since the relationship between cost and depth is generally non-linear, a stabilizing transformation was performed on the dependent variable (cost). This is reflected in the regression models by α, which was the power used to convert the dependent variable to a form that was linearly correlated with the independent variables. Three forms of transformation were found to be significant: the natural log, the fourth root and the square root.

Because the dependent variable was transformed, a bias was introduced into the estimates (the prevailing transformation generally induced a downward bias). Therefore, the estimates had to be adjusted using equation II. Multiplying them by the correction factor (F) yielded unbiased estimates.

$$\text{II.} \quad F = \text{Sum of actual costs for sample} \div \text{Sum of estimated costs for sample}$$

Inevitably, some non-sample wells fall outside the depth range of the sample. Statistically, there is no reason to expect the regression estimates to be "reasonable" for depths where there is no sample. Instead, these costs must be estimated independently based on costs in similar areas or on previous years' data. This was necessary for approximately 1.7 percent of all unreported wells in 1991.

Estimated Standard Errors

Transforming the dependent variable caused the estimates and the standard errors to be in units other than dollars. The process for converting the estimates back into dollars was relatively straightforward. However, the process for re-converting the standard errors yields measures that are not as accurate. Therefore, the actual and estimated sample well costs were used to approximate the standard errors.

This was done by subtracting the actual cost from the estimated cost for each sample well and squaring that value (called the error, or residual) in order to eliminate the negative sign. The squared error is called the variance; taking the mean square root of the sum of the variances provides the estimated mean standard error.

Table C1 contains the estimated mean standard error for each area and type of well. A confidence interval can be constructed using these standard errors for the **average** depth well.

Example 1 shows how to use the estimated standard error to calculate a 95 percent confidence interval for an average well in the United States regardless of the type of well.

Table C1: Estimated Standard Errors

State	Type			
	Oil	Gas	Dry	Total[1]
Alabama	43,180	4,103	29,012	15,485
Alaska - Onshore	63,197	0	929,182	162,705
Alaska - Offshore	1	0	0	1
Arkansas	13,660	11,171	24,248	16,870
California - North	--	31,438	25,503	28,359
California - Central Coastal	18,247	--	0	17,141
California - East Coastal	3,452	5,856	41,263	5,111
California - South	16,424	--	--	16,424
California - Offshore	48,320	--	0	45,636
Colorado	10,891	4,921	8732	5,983
Florida	--	--	24,388	24,388
Illinois	3,525	475	1,367	2,480
Indiana	3,293	978	3,149	2,965
Kansas	1,599	2,743	1,090	1,543
Kentucky	8,900	2,482	4,219	4,881
Louisiana - North	12,408	37,090	15,400	18,674
Louisiana - South	46,877	94,893	79,409	72,911
Louisiana - Offshore	141,623	169,455	104,129	132,754
Michigan	65,052	1,773	19,004	5,246
Mississippi	72,792	70,057	21,740	38,726
Montana	35,455	2,265	17,740	10,899
Nebraska	9,340	475	3,011	4,030
New Mexico - East	5,689	19,681	21,211	9,430
New Mexico - West	19,523	5,337	55,973	10,012
North Dakota	22,533	0	25,386	23,491
Oklahoma	6,554	19,941	16,216	13,682
Texas RRC Dist. 1	16,581	36,534	16,614	17,761
Texas RRC Dist. 2	18,758	26,829	23,198	23,736
Texas RRC Dist. 3	13,747	49,615	33,612	23,717
Texas RRC Dist. 4	6,631	29,555	40,827	31,092
Texas RRC Dist. 5	25,074	41,445	19,526	27,881
Texas RRC Dist. 6	18,424	13,436	18,120	15,257
Texas RRC Dist. 7B	2,998	10,601	2,899	3,904
Texas RRC Dist. 7C	4,208	5,900	8,038	5,462
Texas RRC Dist. 8	3,842	18,055	26,280	6,494
Texas RRC Dist. 8A	3,973	178,095	13,262	6,209
Texas RRC Dist. 9	3,461	8,183	2,601	3,721
Texas RRC Dist. 10	7,336	31,498	15,053	17,304
Texas - Offshore	149,813	211,424	183,448	189,448
Utah	51,798	7,696	134,067	36,591
Wyoming	24,573	21,379	33,699	25,888
Appalachian	1,444	1,388	3,345	1,555
Offshore Fed. - Alaska	0	--	0	--
Offshore Fed. - Gulf North	169,996	494,373	838,176	460,070
Offshore Fed. - Pacific	--	--	--	--
Other United States	20,921	4,101	32,472	10,886
Offshore	133,100	214,678	190,055	177,397
Onshore	9,013	11,509	19,724	12,791
Total U.S.	11,114	14,483	24,792	16,034

[1] *This column depicts the pooled (weighted mean) standard error for any type of well.*

Standard Errors (Cont.)

EXAMPLE 1

The average well cost in the U.S. equals:

$$\$8,565,807,867 \div 22,388 = \$382,607$$

The 95 percent confidence interval would be: 382,607 ± 2 (16,034).

Estimated Median Drilling Costs

Since the mean is sensitive to extreme values, it is sometimes not a good representation of the central tendency of the population. For example, in the JAS, many areas have a distribution that is positively skewed, i.e. the distribution extends farther to the right than to the left since the lowest well cost is zero but the highest cost can extend into the millions. A few expensive wells can "pull" the mean up toward those wells' costs and away from the "middle" of the data. The result is an average that is higher than the average for typical wells.

The median, however, is unaffected by very high or very low values. For a population such as drilling costs, most of the data are densely scattered in one small area with few points on the extremes. In this situation, where the distribution is asymmetrical (i.e. either positively or negatively skewed), the median is a better measure of central tendency than the mean.

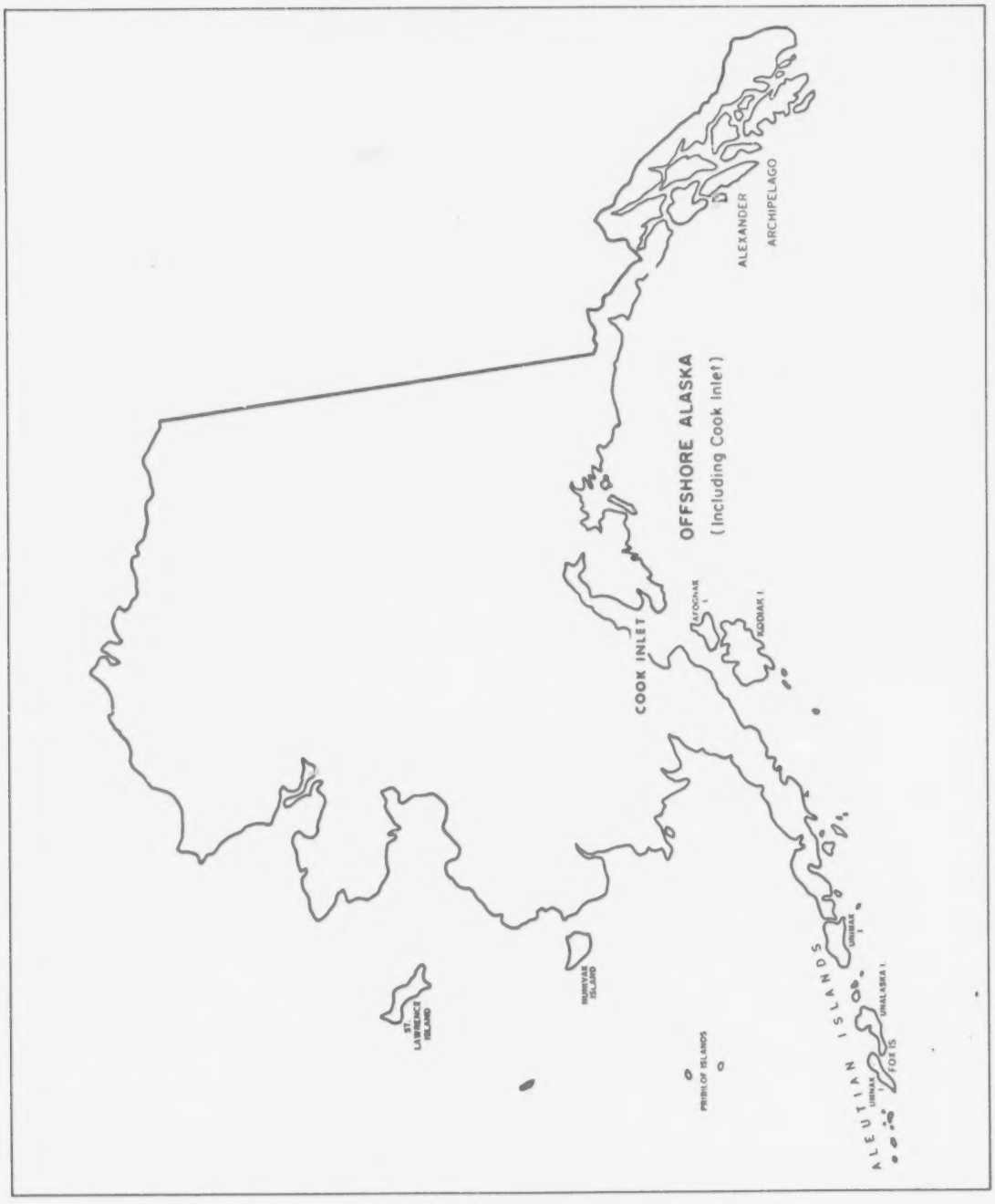
The estimated median drilling cost for each state and well type is listed in Table C2.

Table C2: Estimated Cost Medians

State	Type			
	Oil	Gas	Dry	Total
Alabama	600,849	324,484	208,985	286,509
Alaska - Onshore	2,048,183	1,875,410	3,753,131	2,085,884
Alaska - Offshore	5,048,826	2,027,946	29,419,665	5,048,826
Arkansas	267,001	290,716	128,697	202,718
California - North	--	285,072	205,086	256,293
California - Cent. Coastal	296,852	--	479,913	308,806
California - East Coastal	116,156	234,500	265,000	119,948
California - South	580,412	--		580,412
California - Offshore	800,040	--	821,808	806,491
Colorado	215,161	222,383	103,683	209,394
Florida	--	--	798,000	798,000
Illinois	80,214	9,246	37,844	51,004
Indiana	24,250	17,418	28,457	25,327
Kansas	77,901	134,878	54,655	61,387
Kentucky	58,115	172,591	34,938	48,915
Louisiana - North	79,775	406,605	76,980	81,226
Louisiana - South	579,767	1,160,473	761,223	750,000
Louisiana - Offshore	2,369,895	2,859,347	1,848,270	2,303,693
Michigan	308,120	125,979	150,969	126,900
Mississippi	277,984	272,697	144,331	218,292
Montana	159,267	65,245	35,552	65,143
Nebraska	338,612	150,367	66,530	96,584
New Mexico - East	382,665	457,628	258,125	379,027
New Mexico - West	252,566	246,534	83,426	242,470
North Dakota	630,013	1,129,577	137,477	393,897
Oklahoma	143,990	335,693	102,675	160,126
Texas RRC Dist. 1	175,848	175,576	189,691	180,810
Texas RRC Dist. 2	141,188	223,408	110,000	142,330
Texas RRC Dist. 3	1,003,877	869,201	530,424	900,000
Texas RRC Dist. 4	142,000	677,000	279,772	456,684
Texas RRC Dist. 5	219,103	782,715	127,677	260,000
Texas RRC Dist. 6	352,656	885,603	190,000	738,097
Texas RRC Dist. 7B	72,672	55,145	48,843	59,817
Texas RRC Dist. 7C	318,000	249,838	82,712	256,000
Texas RRC Dist. 8	318,000	350,050	185,232	318,000
Texas RRC Dist. 8A	241,305	--	154,697	224,127
Texas RRC Dist. 9	41,024	321,893	48,739	49,638
Texas RRC Dist. 10	146,140	359,700	168,393	194,420
Texas - Offshore	2,075,296	2,614,864	1,200,542	1,769,826
Utah	474,271	445,292	452,483	448,800
Wyoming	319,027	807,619	197,242	439,504
Appalachian	101,527	148,289	73,588	127,429
Offshore Fed. - Alaska	40,991,864	--	54,340,163	47,666,014
Offshore Fed. - Gulf North	3,086,064	5,747,235	8,187,297	4,683,850
Offshore Fed. - Pacific	--	--	--	--
Other United States	74,332	234,373	150,000	230,080
Offshore	2,244,654	2,970,806	1,881,499	2,350,048
Onshore	172,342	219,718	94,239	162,000
Development Wells	172,022	221,266	88,512	172,823
Exploratory Wells	268,874	244,283	106,432	131,824
Total U.S.	177,010	222,307	98,348	165,595

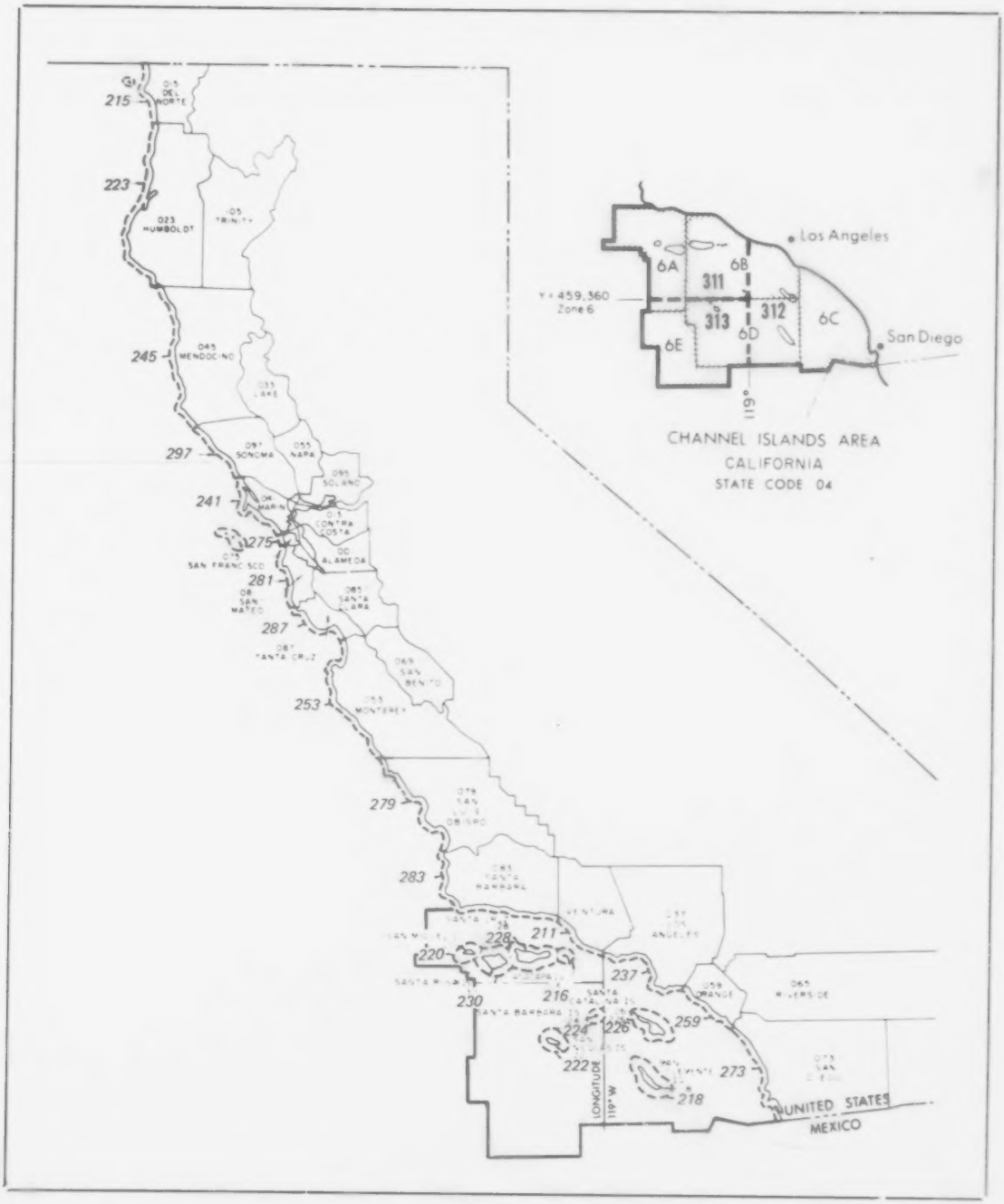
APPENDIX D: Area Maps

MAP 1
SUBDIVISIONS OF ALASKA

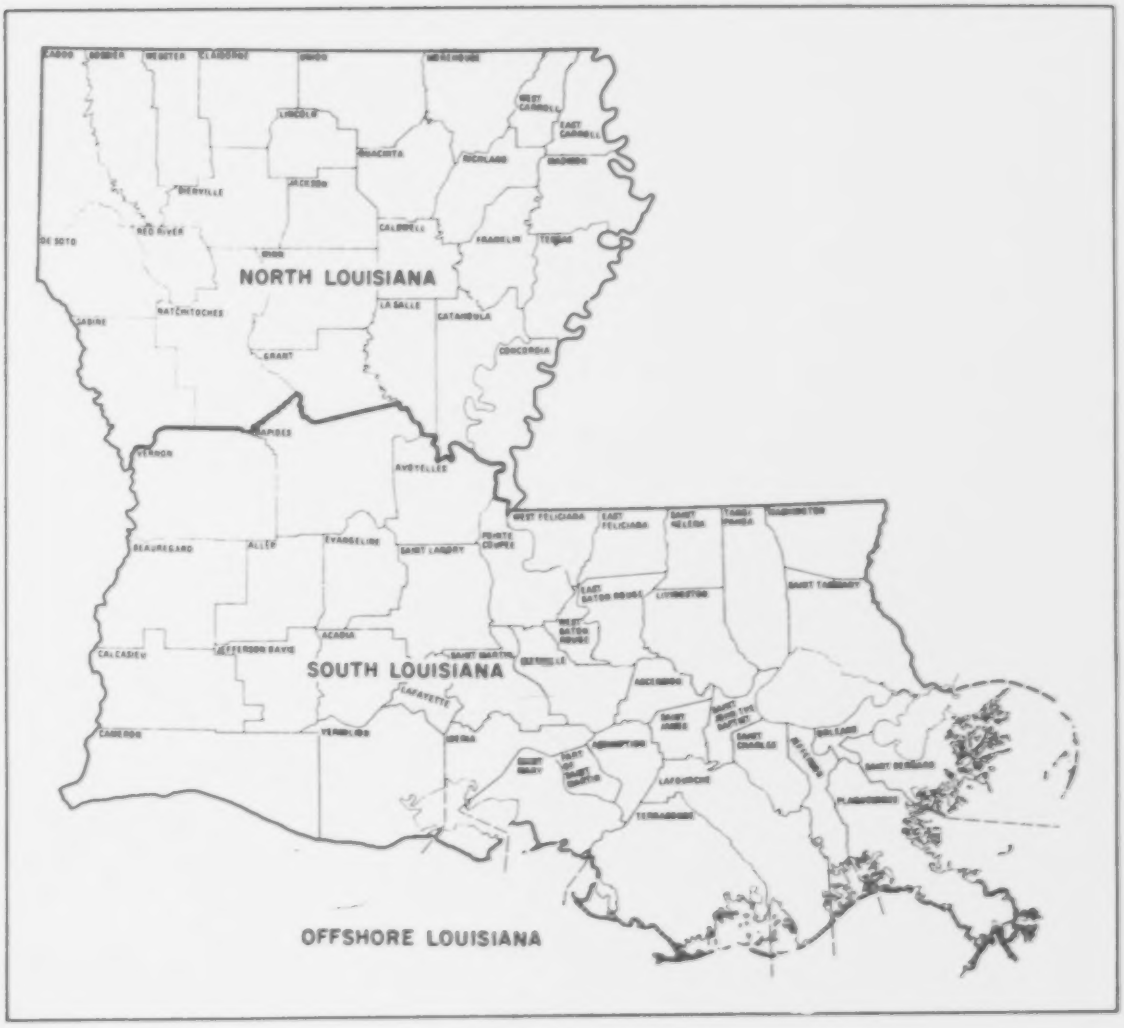


MAP II
SUBDIVISIONS OF CALIFORNIA

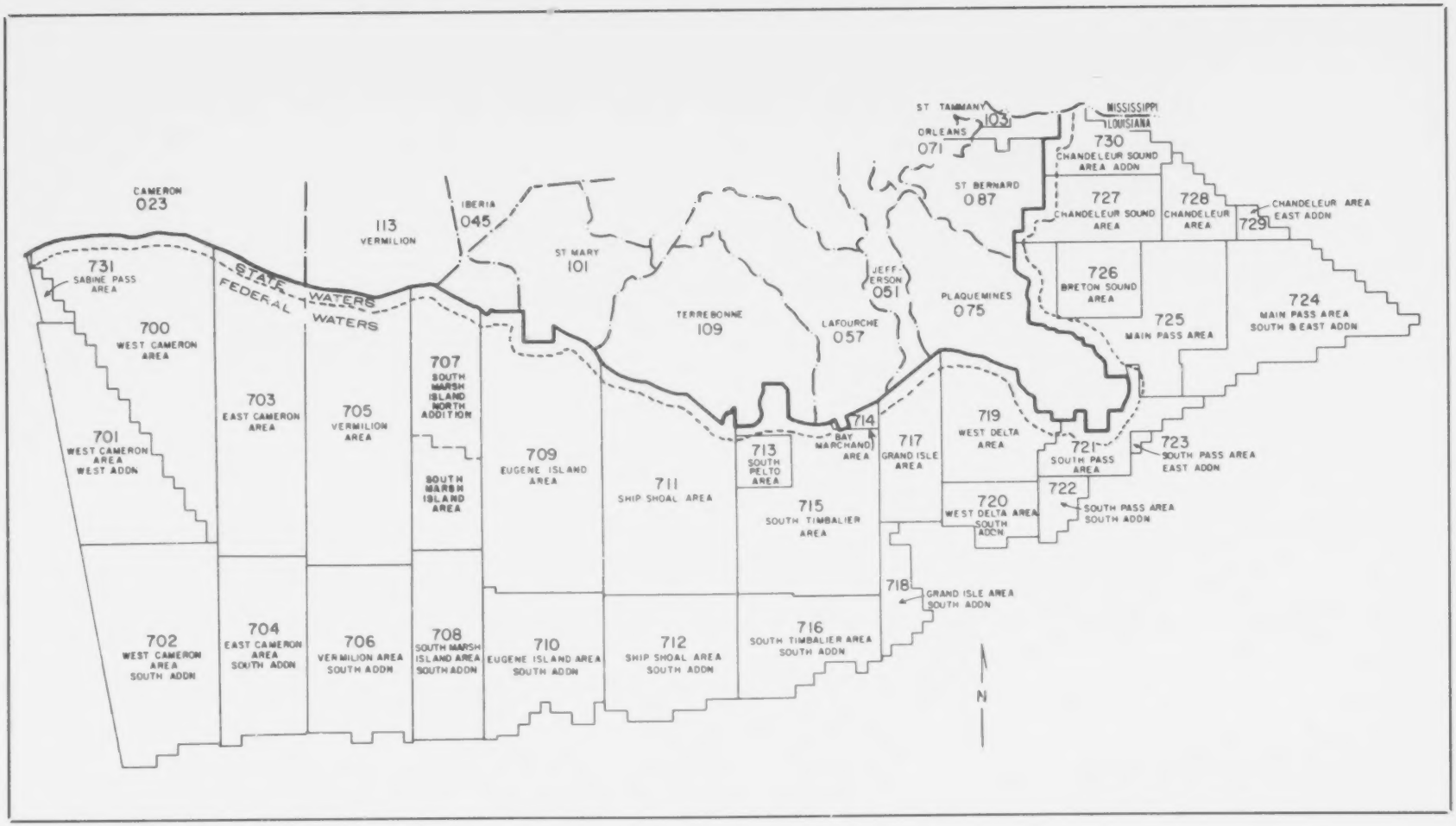
MAP III
CALIFORNIA OFFSHORE



MAP IV
SUBDIVISIONS OF LOUISIANA

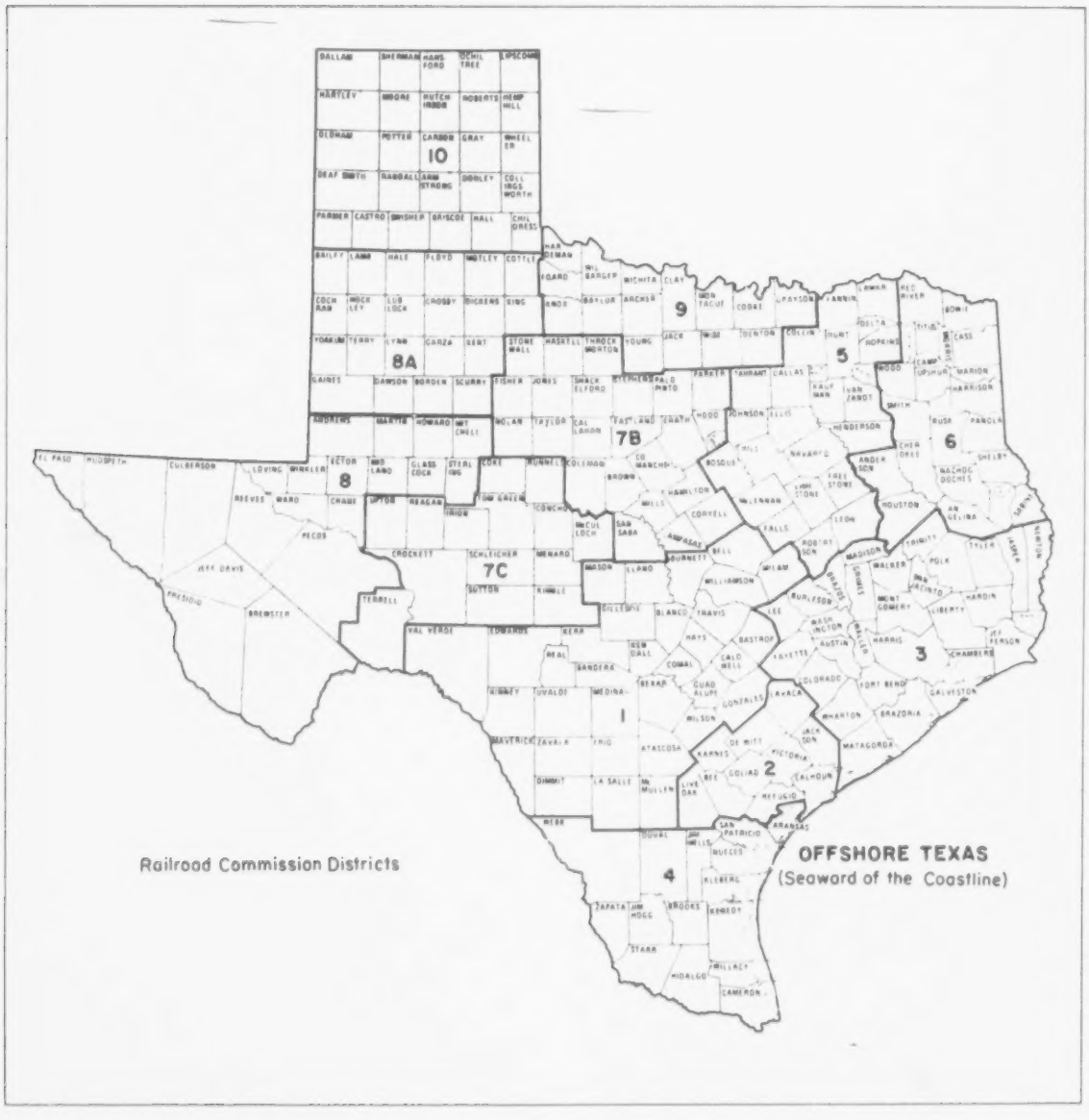


MAP V
LOUISIANA OFFSHORE

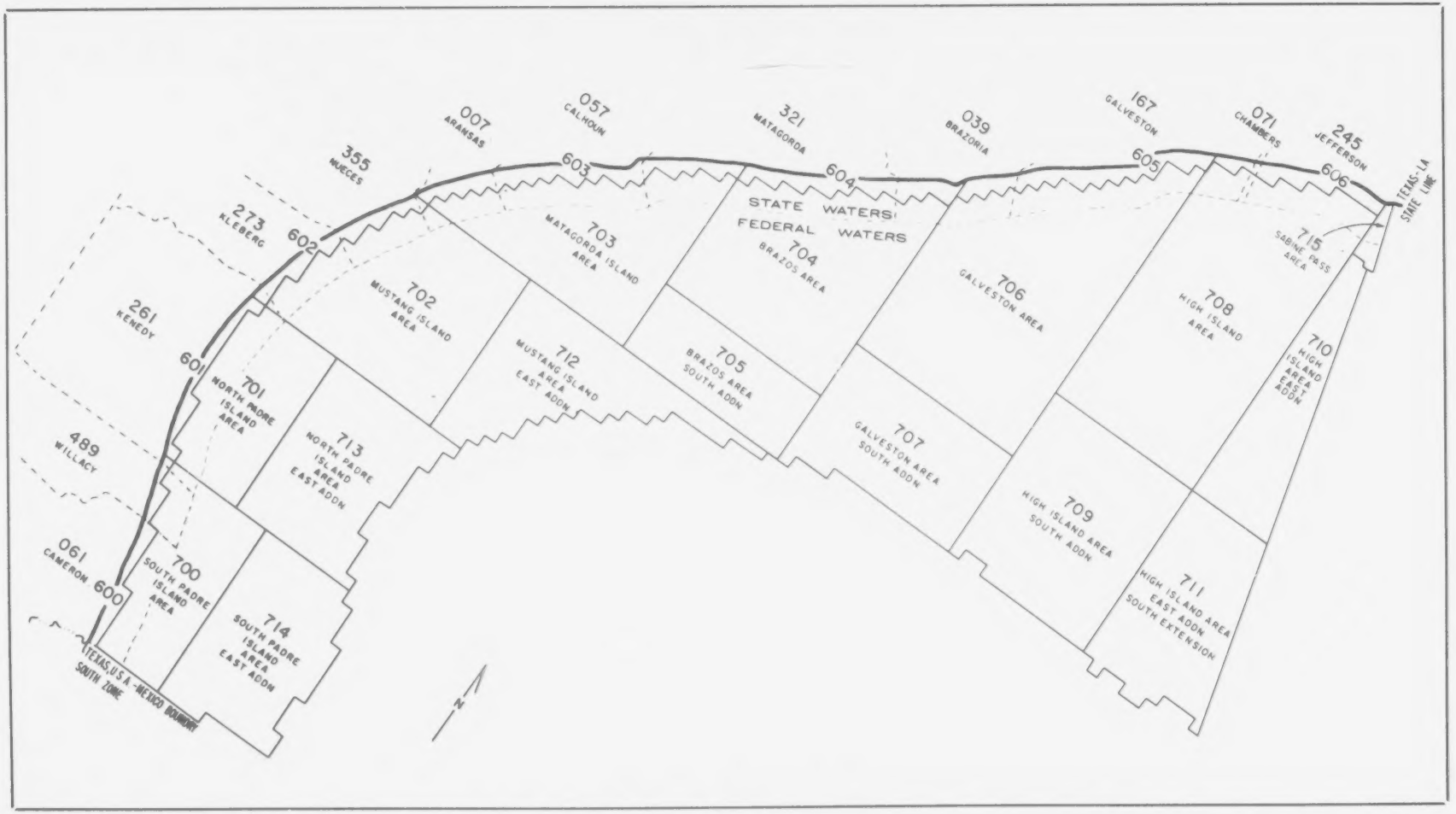

CAMERON 023
113 VERMILION
IBERIA 045
ST MARY 101
TERREBONNE 109
LAFOURCHE 057
JEFFERSON 051
PLAQUEMINES 075
ST BERNARD 087
ST TAMMANY 103
ORLEANS 071
MISSISSIPPI
LOUISIANA
STATE WATERS
FEDERAL WATERS
731 SABINE PASS AREA
700 WEST CAMERON AREA
701 WEST CAMERON AREA WEST ADDN
702 WEST CAMERON AREA SOUTH ADDN
703 EAST CAMERON AREA
704 EAST CAMERON AREA SOUTH ADDN
705 VERMILION AREA
706 VERMILION AREA SOUTH ADDN
707 SOUTH MARSH ISLAND NORTH ADDITION
SOUTH MARSH ISLAND AREA
708 SOUTH MARSH ISLAND AREA SOUTH ADDN
709 EUGENE ISLAND AREA
710 EUGENE ISLAND AREA SOUTH ADDN
711 SHIP SHOAL AREA
712 SHIP SHOAL AREA SOUTH ADDN
713 SOUTH PELTO AREA
714 BAY MARCHAND AREA
715 SOUTH TIMBALIER AREA
716 SOUTH TIMBALIER AREA SOUTH ADDN
717 GRAND ISLE AREA
718 GRAND ISLE AREA SOUTH ADDN
719 WEST DELTA AREA
720 WEST DELTA AREA SOUTH ADDN
721 SOUTH PASS AREA
722 SOUTH PASS AREA SOUTH ADDN
723 SOUTH PASS AREA EAST ADDN
724 MAIN PASS AREA SOUTH & EAST ADDN
725 MAIN PASS AREA
726 BRETON SOUND AREA
727 CHANDELEUR SOUND AREA
728 CHANDELEUR AREA
729 CHANDELEUR AREA EAST ADDN
730 CHANDELEUR SOUND AREA ADDN
N

MAP VI
SUBDIVISIONS OF NEW MEXICO

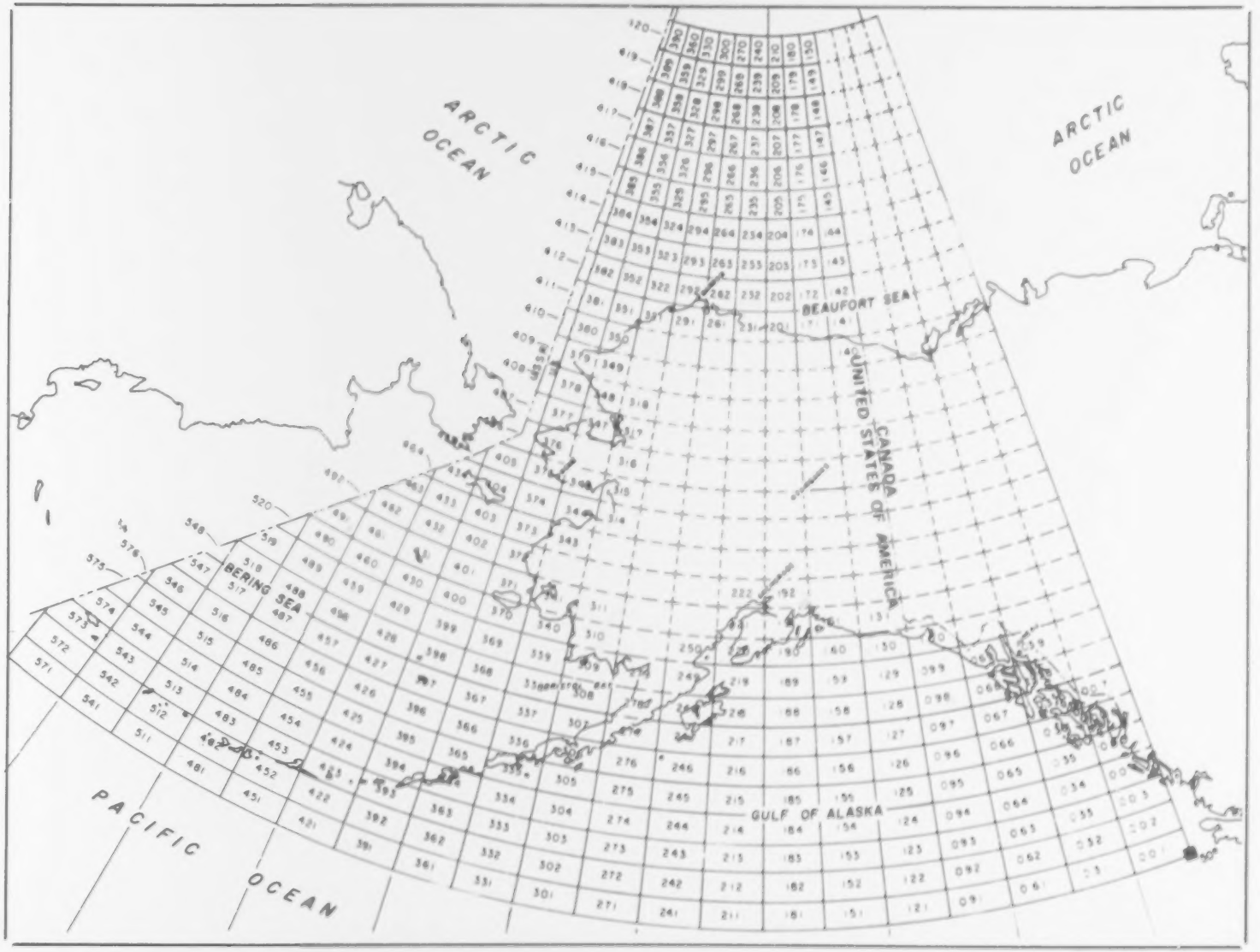
MAP VII
SUBDIVISIONS OF TEXAS



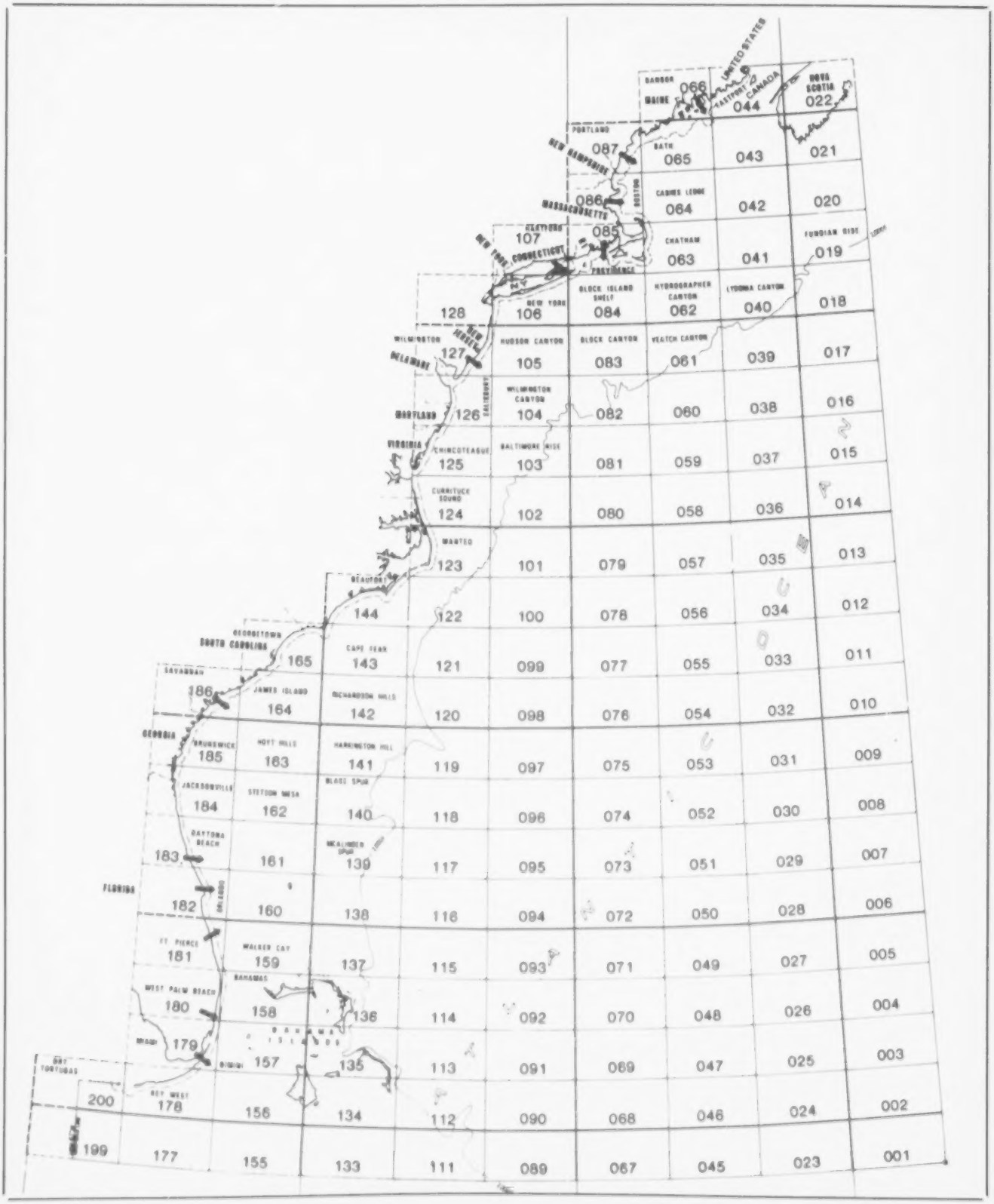
MAP VIII
TEXAS OFFSHORE



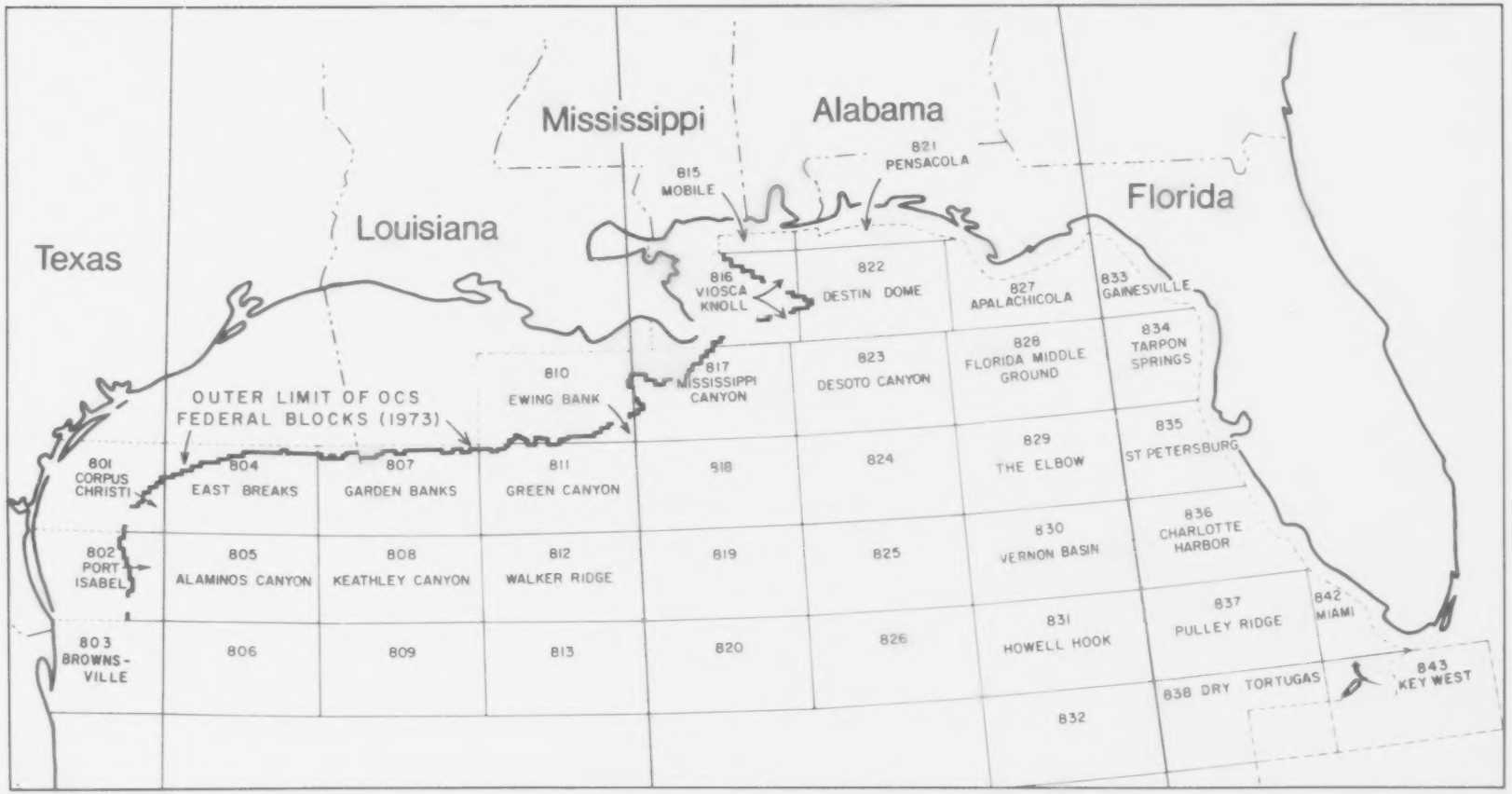
MAP IX
SUBDIVISIONS OF
OFFSHORE FEDERAL WATERS
ALASKA



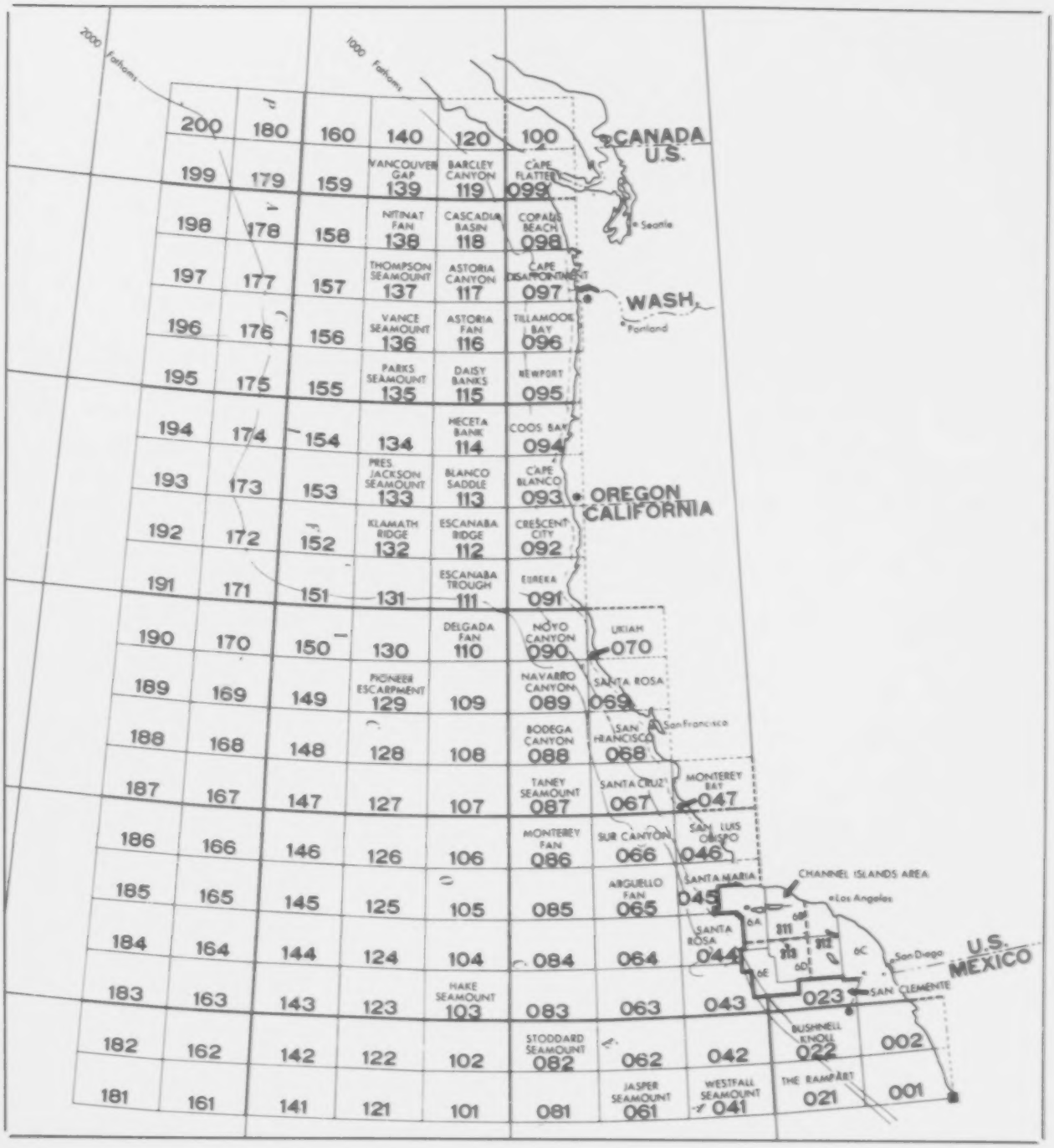
MAP X
SUBDIVISIONS OF OFFSHORE FEDERAL WATERS
ATLANTIC COAST



MAP XI
SUBDIVISIONS OF
OFFSHORE FEDERAL WATERS
GULF OF MEXICO—Northern



MAP XII
SUBDIVISIONS OF
OFFSHORE FEDERAL WATERS
PACIFIC COAST



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